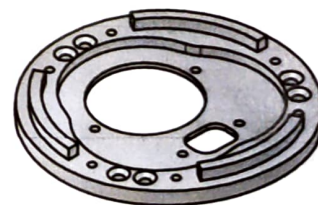
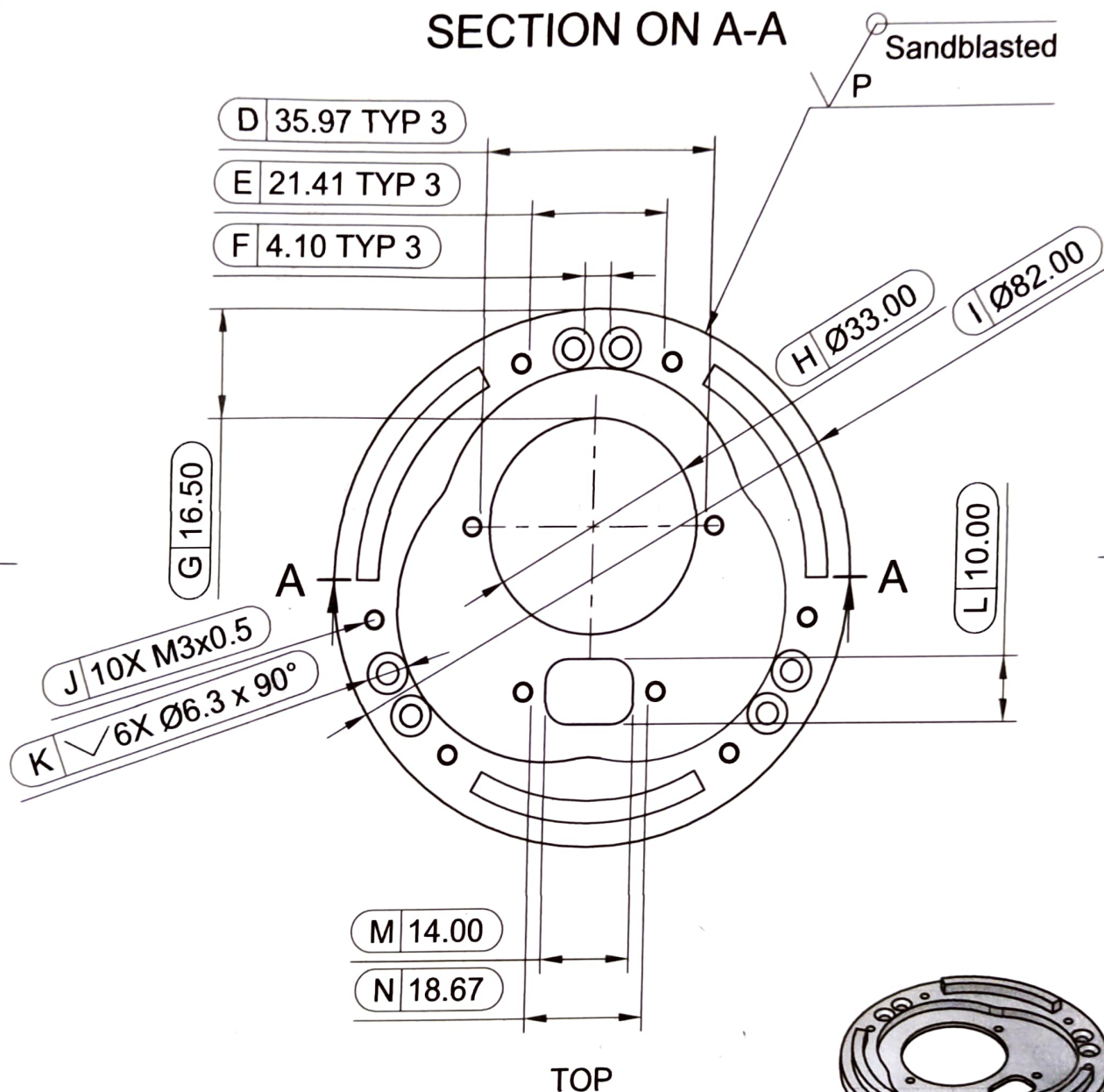
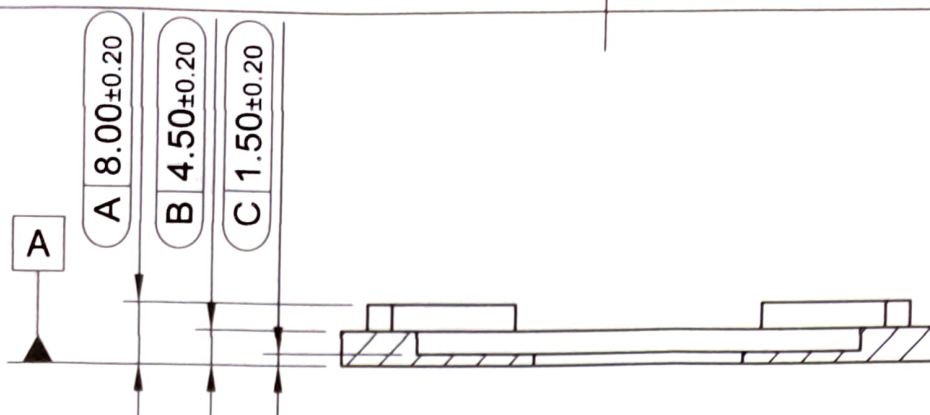


E3

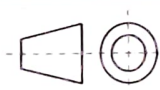



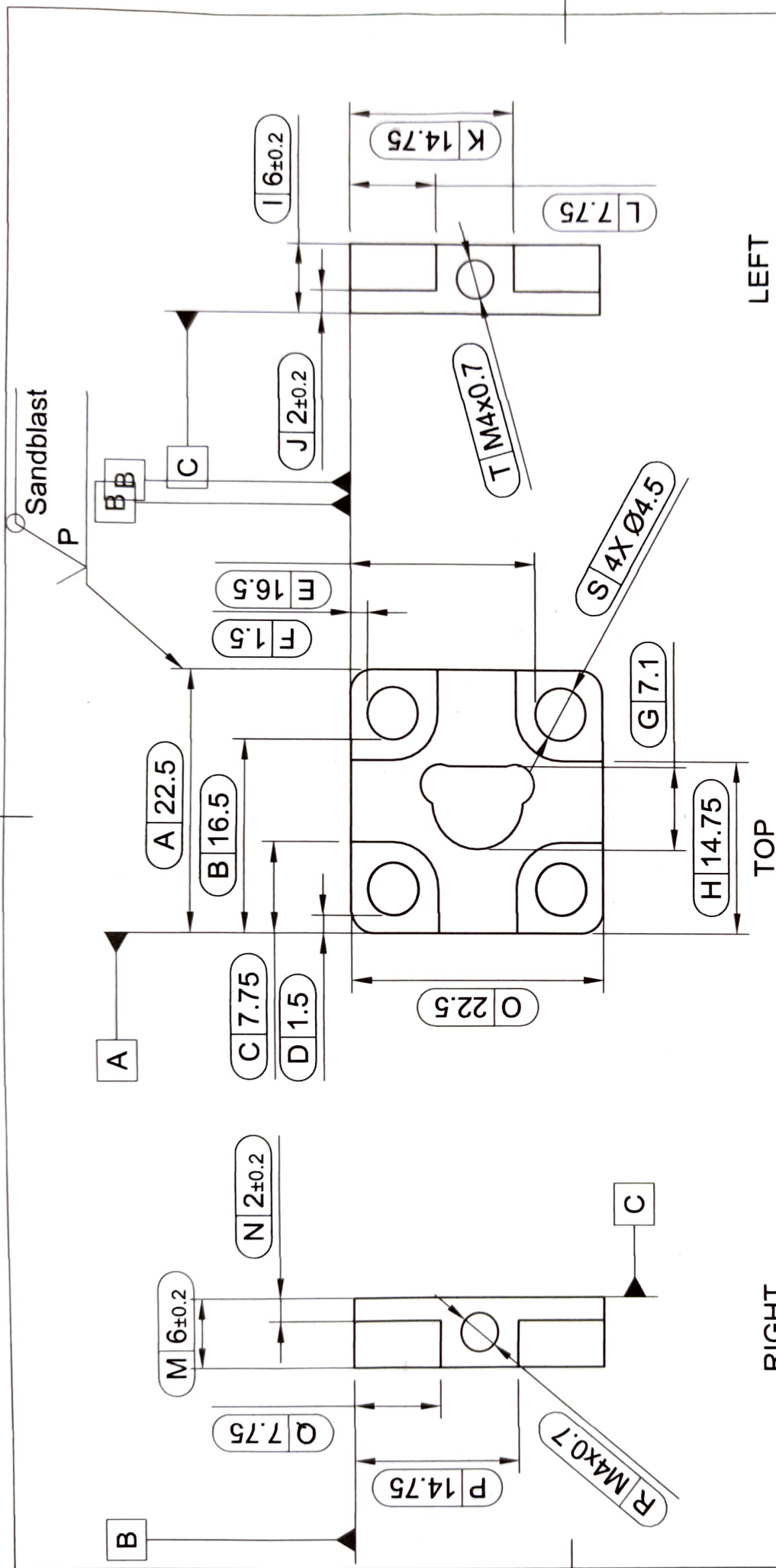
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 1:2
	Checked by	Kavindha R	6/30/2022	
	Validated by	Ahil A	20/2/2023	
Tolerance +/- 0.1	Material ALUMINIUM		Machine ID	Sheet 1/2
	Part Name 7_5_2_BearingLowerBracket_Rev-6			Part ID


DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	7.93	-0.07	PASS
B	4.44	-0.06	PASS
C	1.45	-0.05	PASS
D	36.11	+0.14	PASS
E	21.47	+0.06	PASS
F	4.19	+0.09	PASS
G	16.55	+0.05	PASS
H	32.98	-0.02	PASS
I	82.07	+0.07	PASS
J	M3 x 0.5	—	PASS
K	M3 Countersunk	—	PASS
L	9.95	-0.05	PASS
M	14.03	+0.03	PASS
N	18.71	+0.04	PASS
-			
-			
-			
-			
-			
-			
-			
-			

Comments:

Designer Approved tolerances.

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	PASS	Mass	39.128 g
					39.00 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale	1:2
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahil A	20/2/2023		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	2/2
	Part Name	7_5_2_BearingLowerBracket_Rev-6			Part ID



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by	Kavindha R	7/1/2022	Scale	2:1
	Checked by	Kasun Y	7/29/2022		
	Validated by	Phil A	2/27/2023		
	Material	Aluminium	Machine ID	Sheet	1/2
Part Name		7_7_1_MotorGearBracket_Rev-5			
Part ID		Part ID			

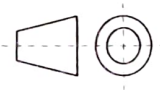

E3

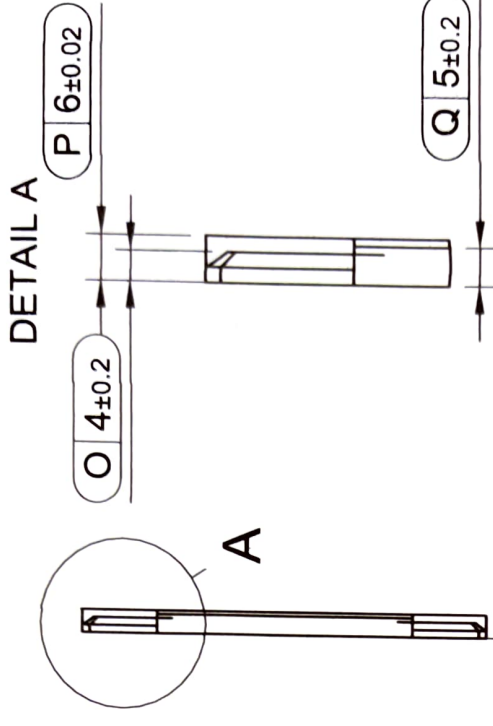
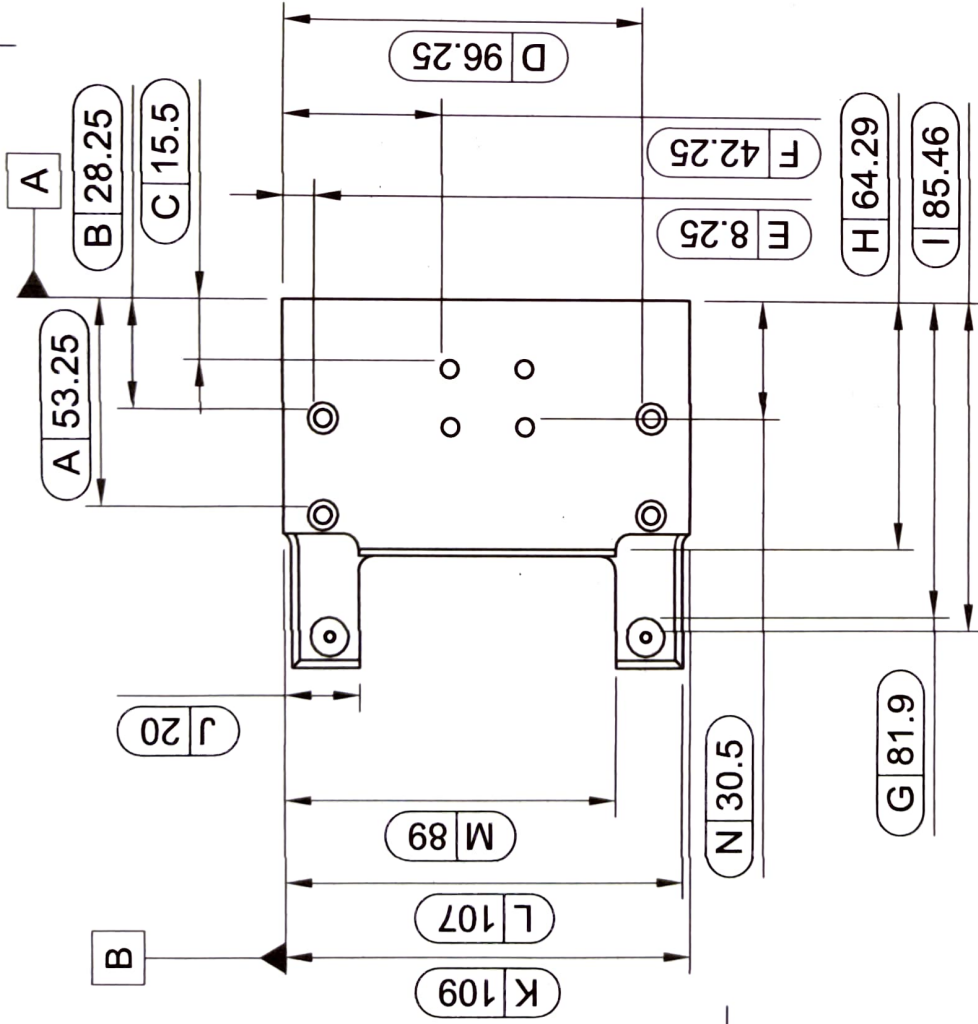


DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	22.55	+0.05	PASS
B	16.52	+0.02	PASS
C	7.79	+0.04	PASS
D	1.51	+0.01	PASS
E	16.50	+/- 0.00	PASS
F	1.48	-0.02	PASS
G	7.10	+/- 0.00	PASS
H	14.77	+0.02	PASS
I	5.95	-0.05	PASS
J	1.94	-0.06	PASS
K	7.76 14.73	-0.02	PASS
L	7.76	+0.01	PASS
M	5.89	-0.11	PASS
N	1.91	-0.09	PASS
O	22.49	-0.01	PASS
P	14.73	-0.02	PASS
Q	7.77	+0.02	PASS
R	M4 x 0.7	—	PASS
S	4.38	-0.02	PASS
T	M4 x 0.7	—	PASS
-			

Comments:

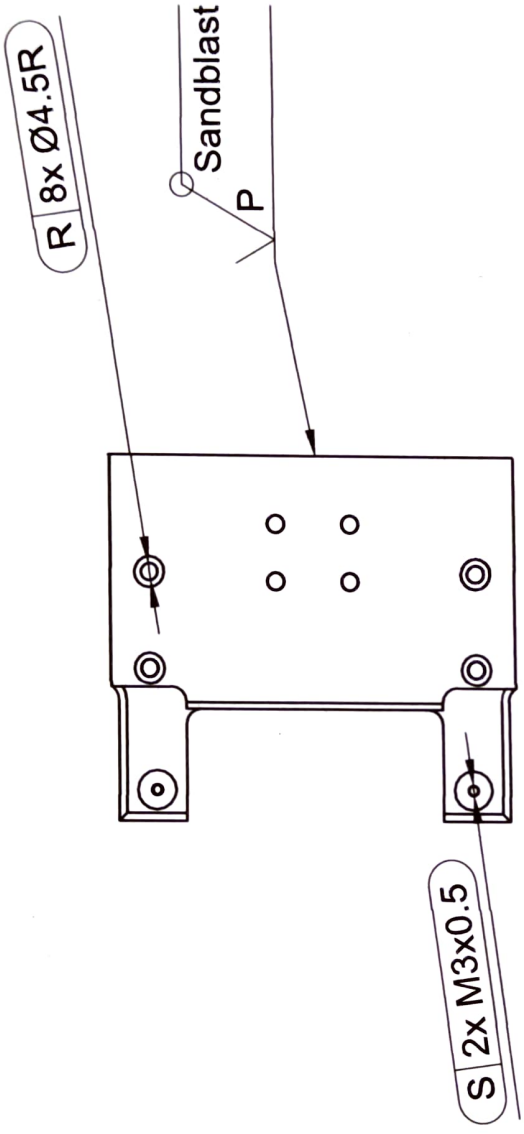
Designer approved dimensions at tolerance.

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	4.131g
					3.0g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	7/1/2022	Scale	2:1
	Checked by	Kasun Y	7/29/2022		
	Validated by	Ahli A	2/24/2022		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
		Part Name	7_7_1_MotorGearBracket_Rev-5	Part ID	



TOP

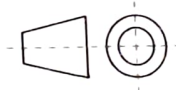
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kavindha R	6/29/2022	Scale 1:2
	Checked by Kasun Y	7/29/2022	
	Validated by Ibraheem R	2/24/2023	
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 1/3
Atlas Labs	Part Name 7_2_8_UncappingMountingPlate_Rev_5	Part ID	



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/29/2022	Scale	1:2
	Checked by	Kasun Y	7/29/2022		
	Validated by	Ibraheem R	2/24/2023		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/3
		Part Name		Part ID	
		7_2_8_UncappingMountingPlate_Rev_5			

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	53.32	+0.07	PASS
B	28.30	+0.05	PASS
C	16.53	+0.03	PASS
D	96.31	+0.06	PASS
E	8.32	+0.07	PASS
F	42.31	+0.06	PASS
G	81.94	+0.04	PASS
H	64.29	0	PASS
I	85.71	+0.25	PASS
J	19.95	-0.05	PASS
K	109.04	+0.04	PASS
L	107.03	+0.03	PASS
M	88.99	-0.01	PASS
N	30.53	+0.03	PASS
O	3.98	-0.02	PASS
P	6.03	+0.03	PASS
Q	5.01	+0.01	PASS
R	4.46	-0.04	PASS
S	M3x0.5	-	PASS

Comments: Dimension I out of tolerance. Not critical

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersink/bored	PASS	Mass	132.13g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kavindha R	Checked by Kasun Y	Validated by Ibraheem R	6/29/2022 7/29/2022 2/24/2023	Scale 1:2 
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 3/3	Part ID	
Atlas Labs		Part Name 7_2_8_UncappingMountingPlate_Rev_5			

E3

TOP

SANDBLASTED

C 114

G 11.5±0.2

O 10±0.2

B

F Ø88



E Ø96

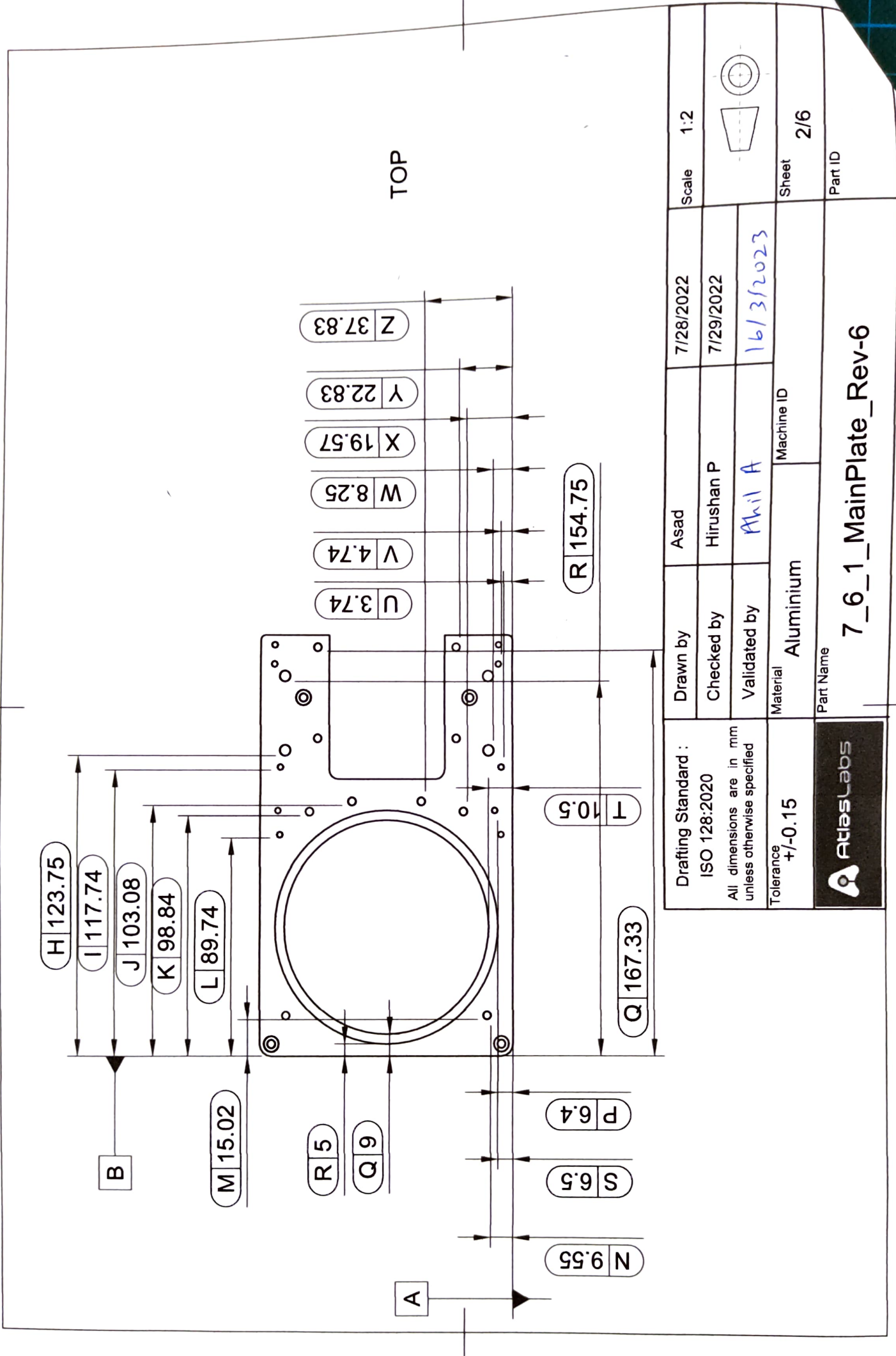
D 29.5


B 109

A 174

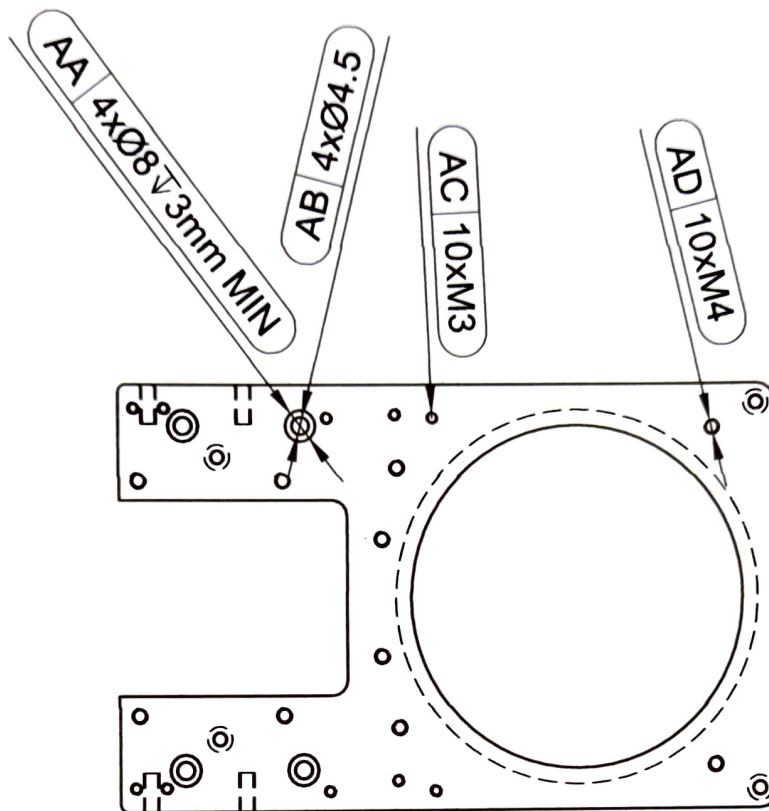
A

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale	1:2
	Checked by	Hirushan P	7/29/2022		
	Validated by	Ahil A	16/3/2023		
Tolerance +/-0.15	Material	Aluminium	Machine ID	Sheet	1/6
		Part Name 7_6_1_MainPlate_Rev-6			
		Part ID			



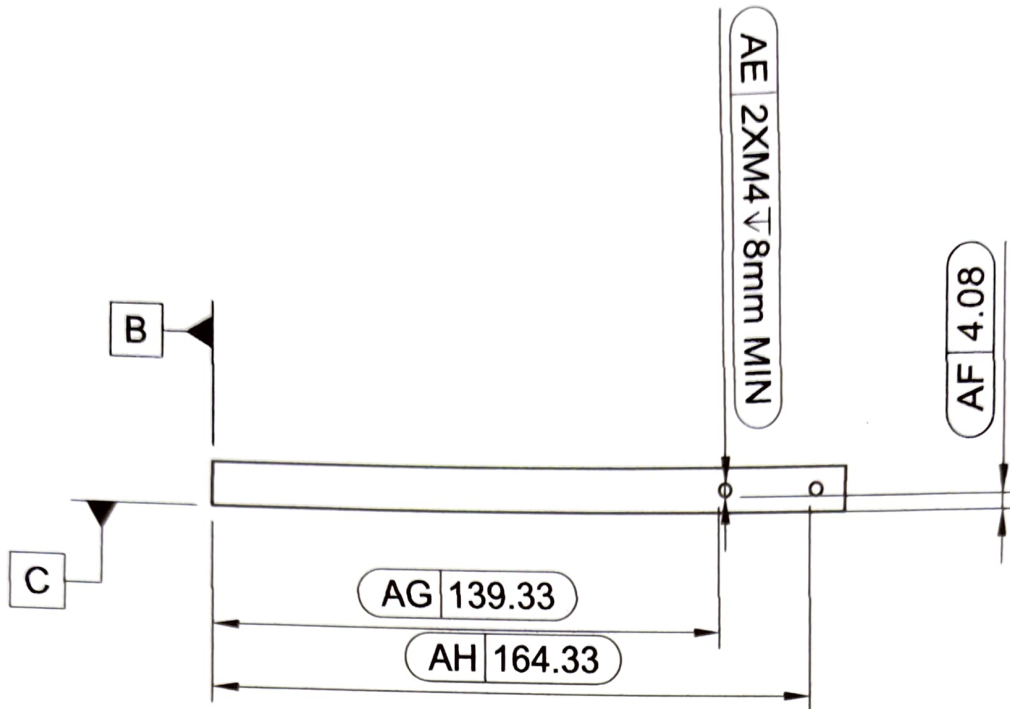
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/-0.15	Drawn by	Asad	7/28/2022	Scale	1:2
	Checked by	Hirushan P	7/29/2022		
	Validated by	Phil A	16/3/2023		
	Material	Aluminium	Machine ID	Sheet	2/6
Part Name		7_6_1_MainPlate_Rev-6			
Part ID					





BOTTOM

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Asad	7/28/2022	Scale 1:2
	Checked by Hirushan P	7/29/2022	
	Validated by Phil A	16/3/2023	
Tolerance +/-0.15	Material	Machine ID	Sheet 3/6
	Part Name 7_6_1_MainPlate_Rev-6		Part ID



RIGHT

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale 1:2
	Checked by	Hirushan P	7/29/2022	
	Validated by	Ahli A	16/3/2023	
Tolerance +/-0.15	Material	Machine ID	Sheet 4/6	Part ID
	Part Name 7_6_1_MainPlate_Rev-6			

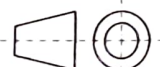

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	174.07	+0.07	PASS
B	109.03	+0.03	PASS
C	114.06	+0.06	PASS
D	29.52	+0.02	PASS
E	95.92	-0.08	PASS
F	87.96	-0.04	PASS
G	11.51	+0.01	PASS
H <i>dia</i>	10.00 123.81	+ +0.06	PASS
I	117.78	+0.04	PASS
J	103.09	+0.01	PASS
K	98.88	+0.04	PASS
L	89.76	+0.02	PASS
M	15.024	+0.02	PASS
N	9.53	-0.02	PASS
O	# 10.00 <i>dia</i>	+/- 0.00	PASS
P	6.39	-0.01	PASS
Q	167.33	+/- 0.00	PASS
R	154.76	+0.01	PASS
S	6.54	+0.04	PASS
T	10.50	+/- 0.00	PASS
U	3.75	+0.01	PASS

Comments:

De-burred PASS		Tapped PASS		Surface Finish PASS	
Drilled PASS		Countersunk/bored PASS		Mass 367.446 g	261 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale 1:2	
	Checked by	Hirushan P	7/29/2022		
	Validated by	Phil A	16/3/2023		
Tolerance +/-0.15	Material	Machine ID		Sheet 5/6	
	Part Name 7_6_1_MainPlate_Rev-6				Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
V	4.76	+0.02	PASS
W	8.28	+0.03	PASS
X	19.58	+0.01	PASS
Y	22.85	+0.02	PASS
Z	37.85	+0.02	PASS
AA	7.91 ± 3.54	—	PASS
AB	4.41	-0.09	PASS
AC	M3 x 0.5	—	PASS
AD	M4 x 0.7	—	PASS
AE	M4 x 0.7 ± 8	—	PASS
AF	4.09	+0.01	PASS
AG	139.43	+0.10	PASS
AH	164.39	+0.06	PASS

Comments:

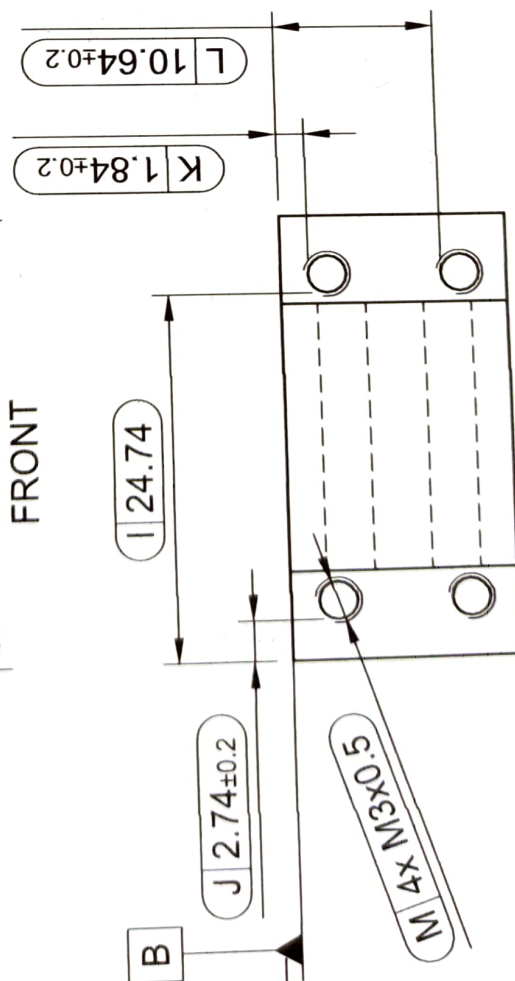
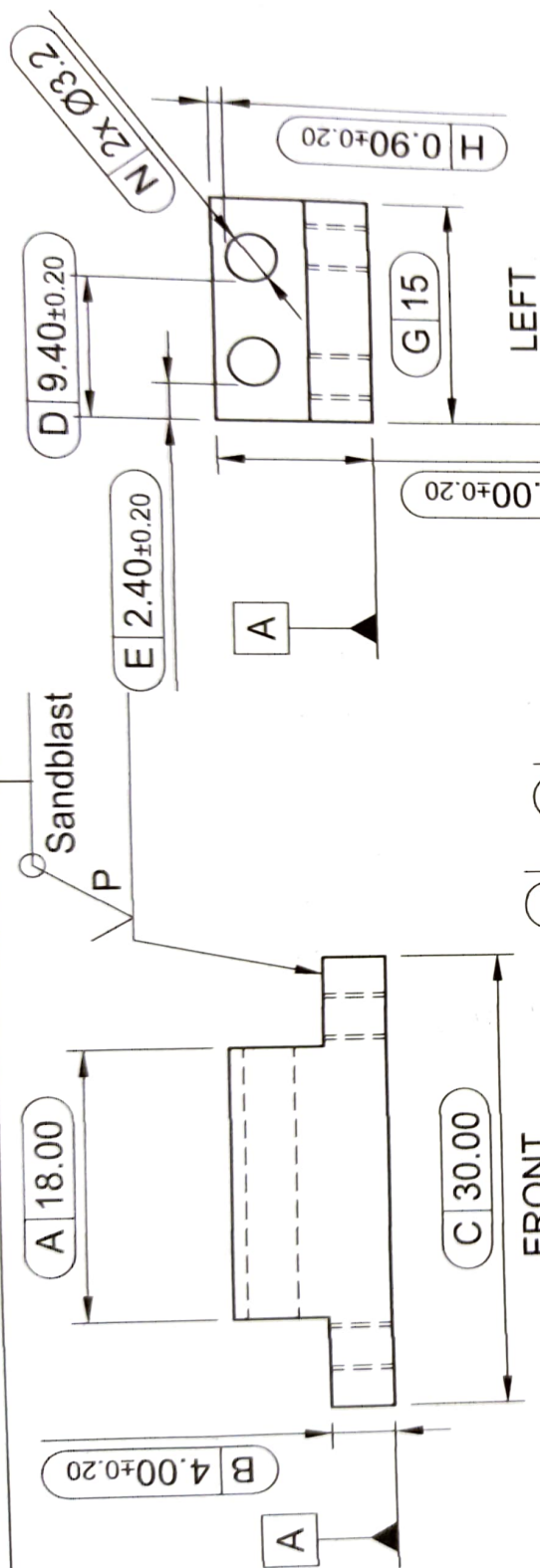
De-burred PASS		Tapped PASS		Surface Finish PASS	
Drilled PASS		Countersunk/bored PASS		Mass 367.446 g	261 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale 1:2	
	Checked by	Hirushan P	7/29/2022		
	Validated by	Ahmed A	16/3/2023		
Tolerance +/-0.15	Material Aluminium	Machine ID	Sheet 6/6		
		Part Name 7_6_1_MainPlate_Rev-6			Part ID


DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	18.02	+0.02	PASS
B	3.98	-0.02	PASS
C	30.01	+0.01	PASS
D	9.53	+0.13	PASS
E	2.55	+0.15	PASS
F Hi	10.08 9.98	-0.02	PASS
G	14.99	-0.01	PASS
H	0.94	+0.04	PASS
I	24.74	+1-0.00	PASS
J	2.78	+0.04	PASS
K	1.86	+0.02	PASS
L	10.69	+0.05	PASS
M	M3 x 0.5	—	PASS
N	3.20	+1-0.00	PASS

Comments:

Designer approved dimensions out of tolerance

De-burred PASS		Tapped PASS		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 8.24 g	8 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahil A	2/23/2023		
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
Part Name 7_1_1_Silicone Gripper Mounting Top Brace				Part ID 1	

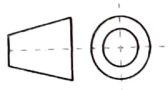



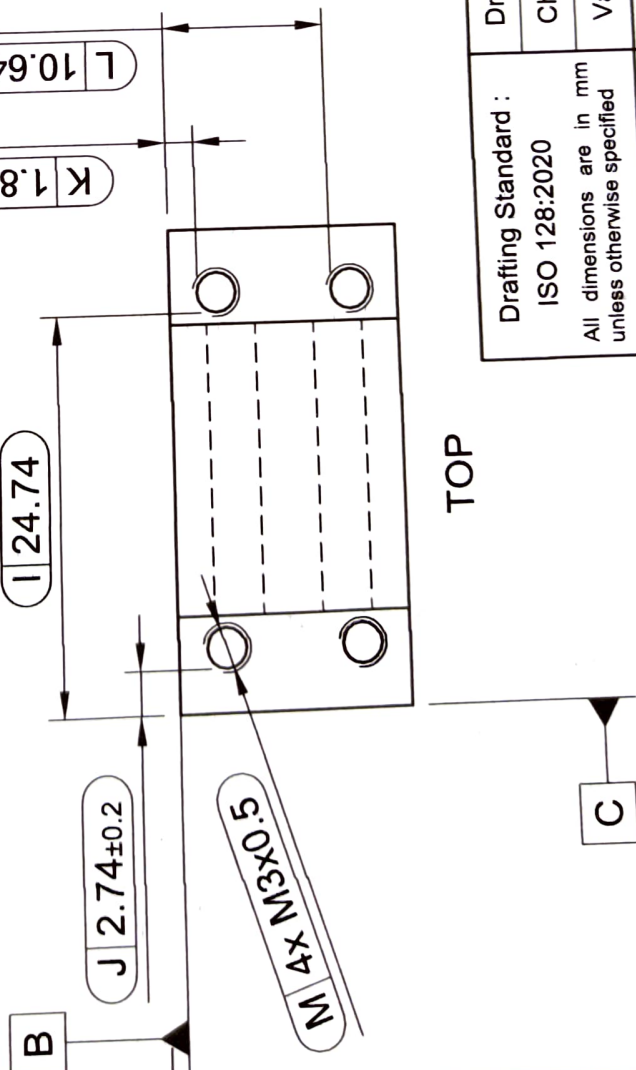
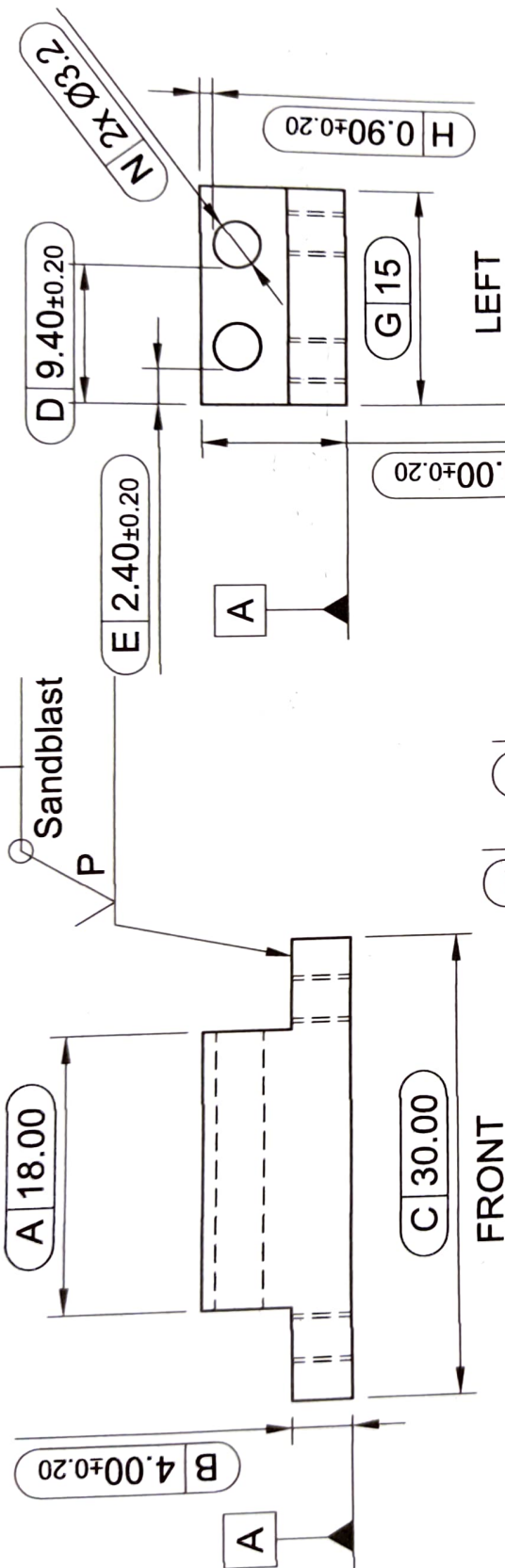
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahli A	2/23/2023	Sheet	1/2
Material ALUMINIUM			Machine ID	Part ID	2
Part Name 7_1_1_SiliconeGripperMountingTopBrace					



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	18.03	+0.03	PASS
B	3.95	-0.05	PASS
C	30.03	+0.03	PASS
D	9.38	-0.02	PASS
E	2.46	+0.06	PASS
F <i>dh</i>	10.06 9.95	-0.05	PASS
G	14.99	-0.01	PASS
H	0.82	+ -0.08 <i>dh</i>	PASS
I	24.74	+/- 0.00	PASS
J	2.77	+0.03	PASS
K	1.83	-0.01	PASS
L	10.64	+/- 0.00	PASS
M	M3 x 0.5	-	PASS
N	3.20	+/- 0.00	PASS

Comments:

De-burred PASS		Tapped PASS		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 8.24 g	8g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahil A	2/23/2023		
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
				Part Name 7_1_1_SiliconeGripperMountingTopBrace Part ID 2	

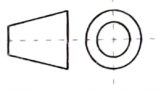



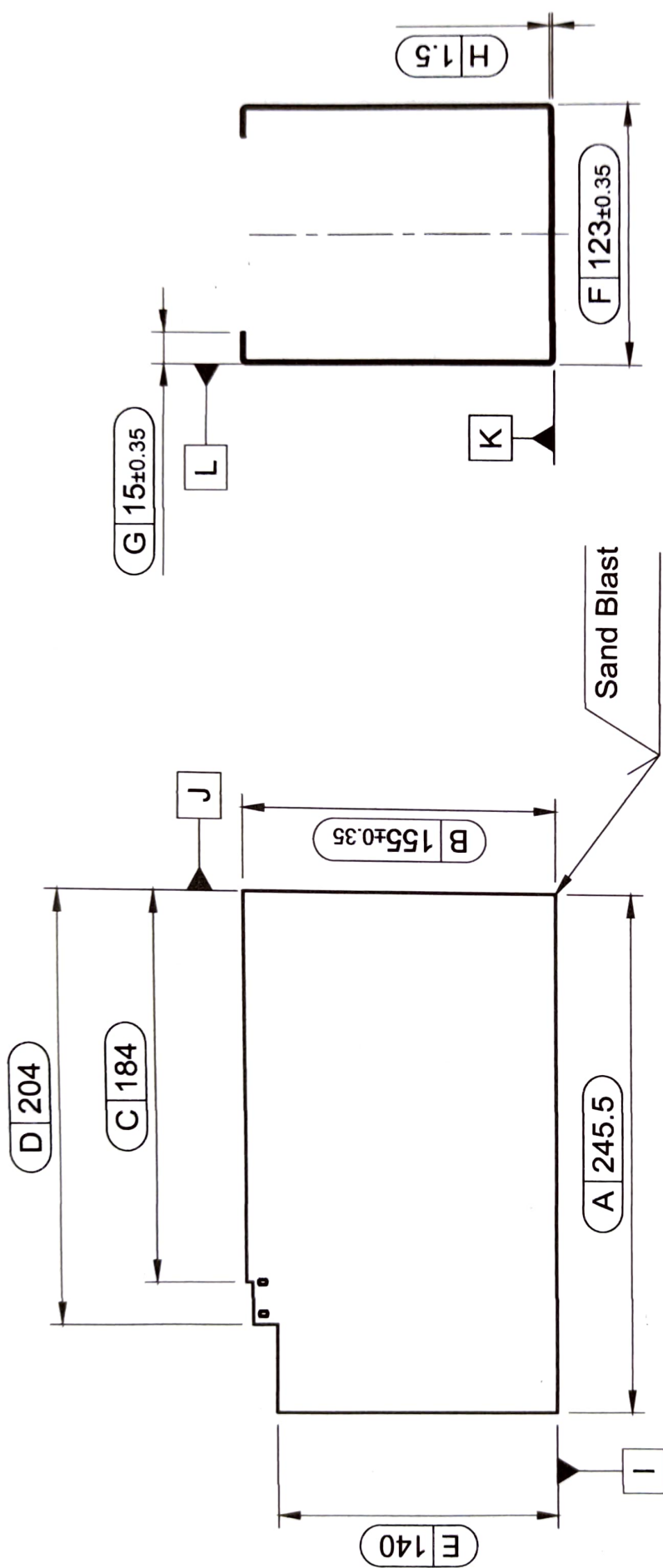
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Akil A	2/23/2023	Sheet 1/2	
Material		ALUMINIUM		Machine ID	
Part Name		7_1_1_SiliconeGripperMountingTopBrace		Part ID	
				3	


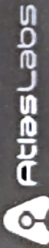
DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	18.03	+0.03	PASS
B	3.98	-0.02	PASS
C	29.99	-0.01	PASS
D	9.49	+0.09	PASS
E	2.46	+0.06	PASS
F	9.96	-0.04	PASS
G	14.99	+0.01 -0.01	PASS
H	0.86	-0.04	PASS
I	24.82	+0.08	PASS
J	2.85	+0.11	PASS
K	1.85	+0.01	PASS
L	10.65	+0.01	PASS
M	M3 x 0.5	—	PASS
N	3.16	-0.04	PASS

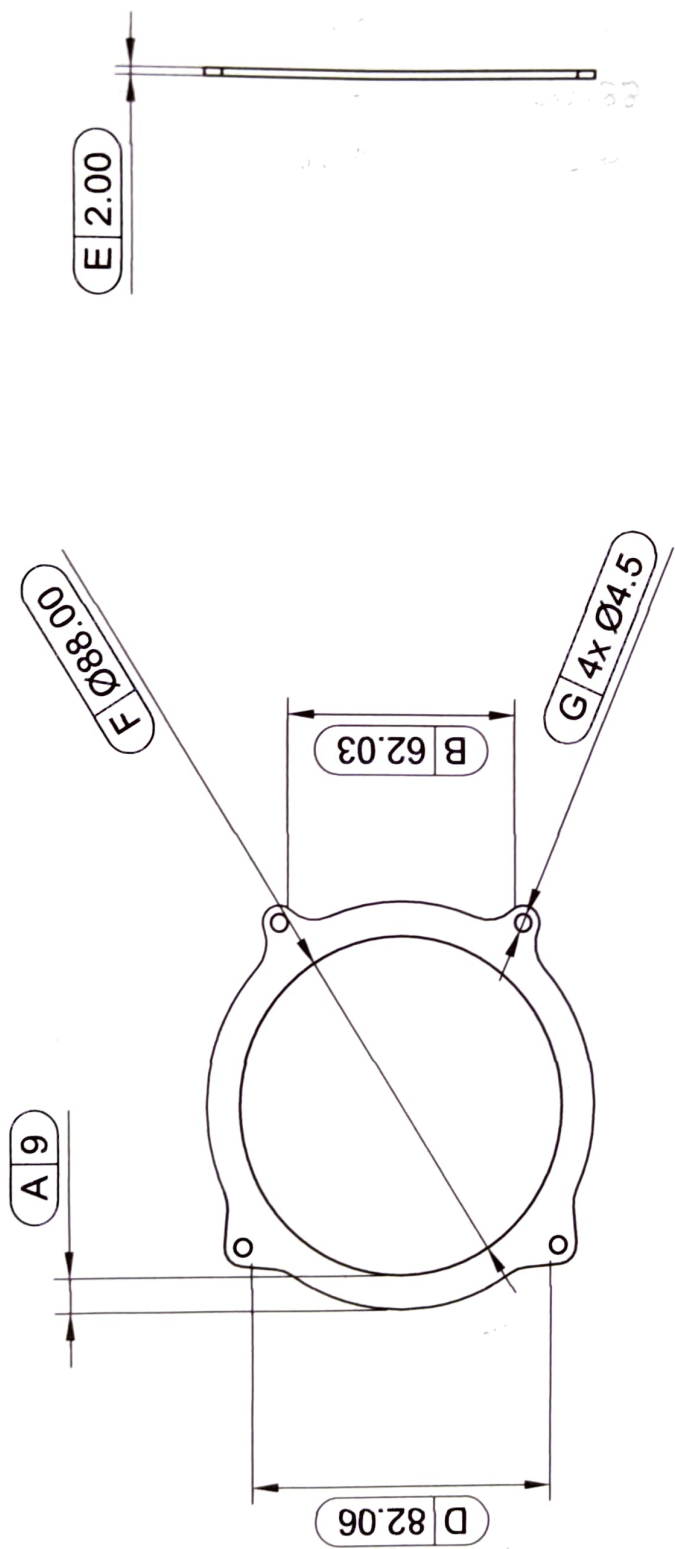
Comments:


Design approved dimensions out of tolerance.

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	8.24 g
					8g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahul A	2/23/2023		
Tolerance +/- 0.1	Material	ALUMINIUM	Machine ID	Sheet	2/2
		Part Name	7_1_1_SiliconeGripperMountingTopBrace		Part ID
					3



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Sadeep A	06/12/2022	Scale	1:3
	Checked by	Asad	12/12/2022		
	Validated by	Hirana P	03/15/2023		
Tolerance ± 0.2	Material	AL	Machine ID		Sheet
	AL				1/2
		Part Name		Part ID	
		7_8_1_UncappingEnclosureBottom_Rev-6			



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by	Kavindha R	6/29/2022	Scale	1:2
	Checked by	Kasun Y	7/29/2022		
	Validated by	Kavindra N	3/15/2023		
	Material	Aluminium	Machine ID	Sheet	1/2
Part Name		7_6_3_BearingBracket_Rev-6			
Part ID					



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	9.03	+ 0.03	Pass
B	61.94	- 0.09	Pass
D	82.02	- 0.04	Pass
E	1.99	- 0.01	Pass
F	88.00	-	Pass
G	4.56	+ 0.06	Pass
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			

Comments:

De-burred		Tapped		Surface Finish	
Pass		N/A		Pass	
Drilled		Countersinked/bored		Mass	
Pass		N/A		16.79g 16g	
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/29/2022	Scale 1:2	
	Checked by	Kasun Y	7/29/2022		
	Validated by	Kavindra N	3/15/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID		Sheet 2/2	
				Part Name 7_6_3_BearingBracket_Rev-6 Part ID	

A 204

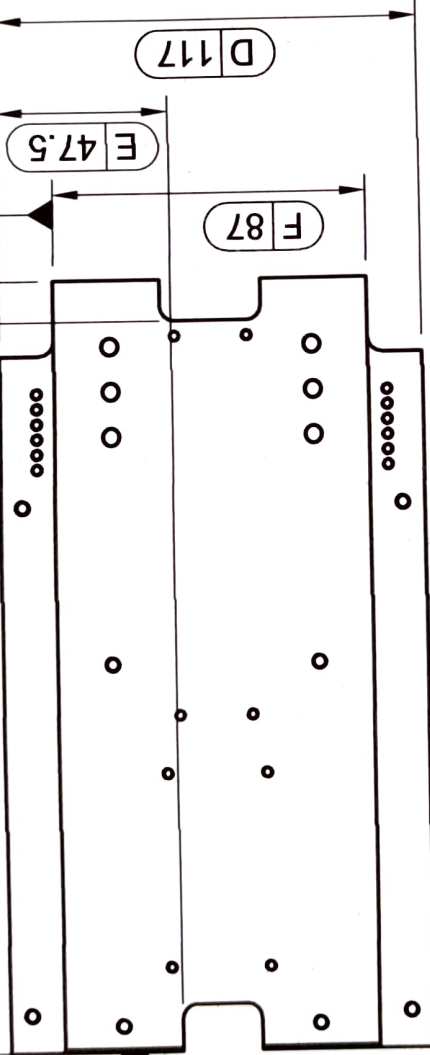
B 193

C 184

B

A

C



D 117

E 47.5

F 87

G 4.5±0.2

H 6±0.2

Drafting Standard :

ISO 128:2020

All dimensions are in mm unless otherwise specified

Tolerance
+/-0.15



Asad

Drawn by

Sadeep A

Checked by

Anuka B

Validated by

Machine ID

Aluminum

Sheet

1/5

12/13/2022

12/19/2022

21/02/2023

Scale 1:3

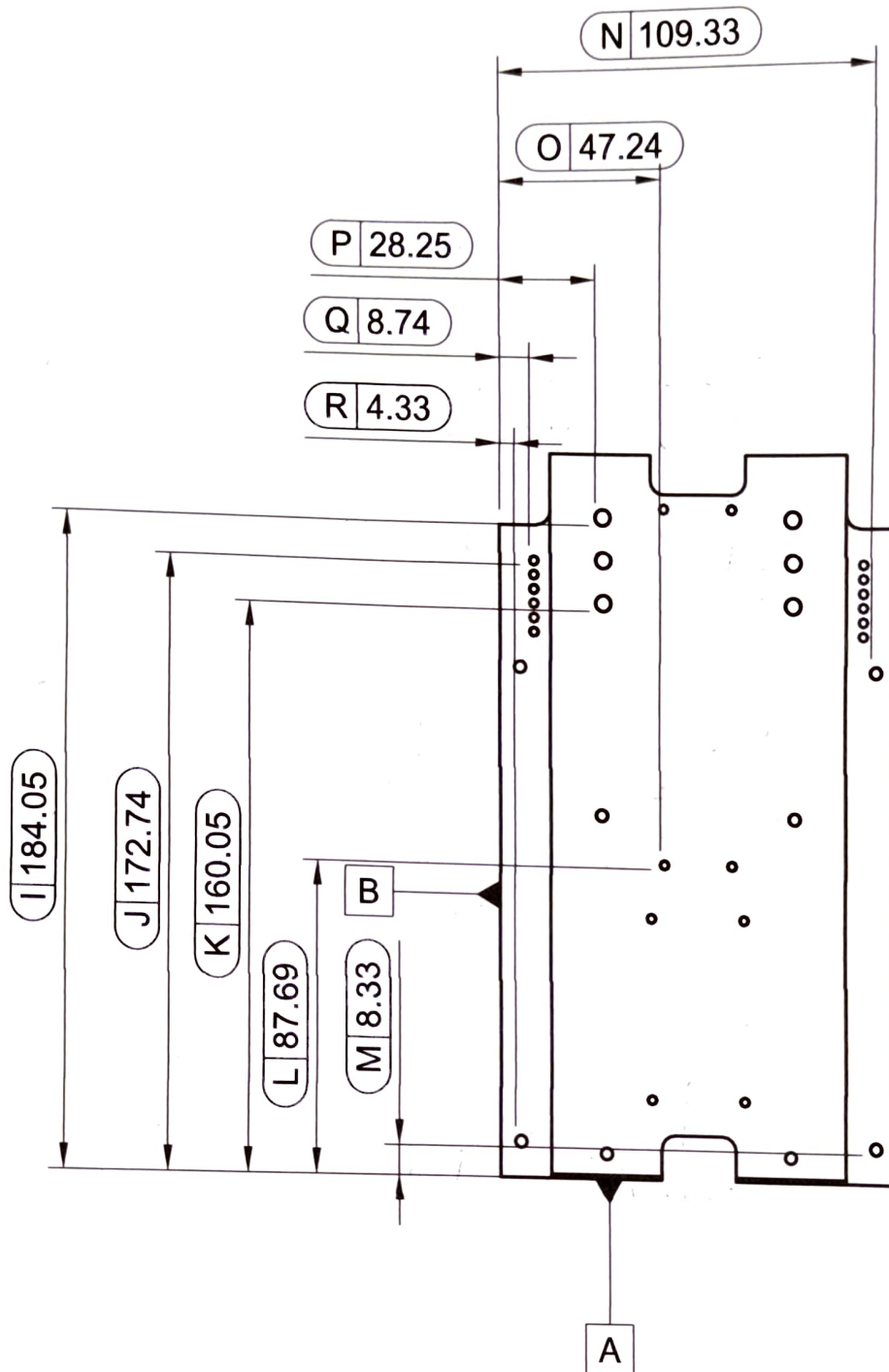


Part Name

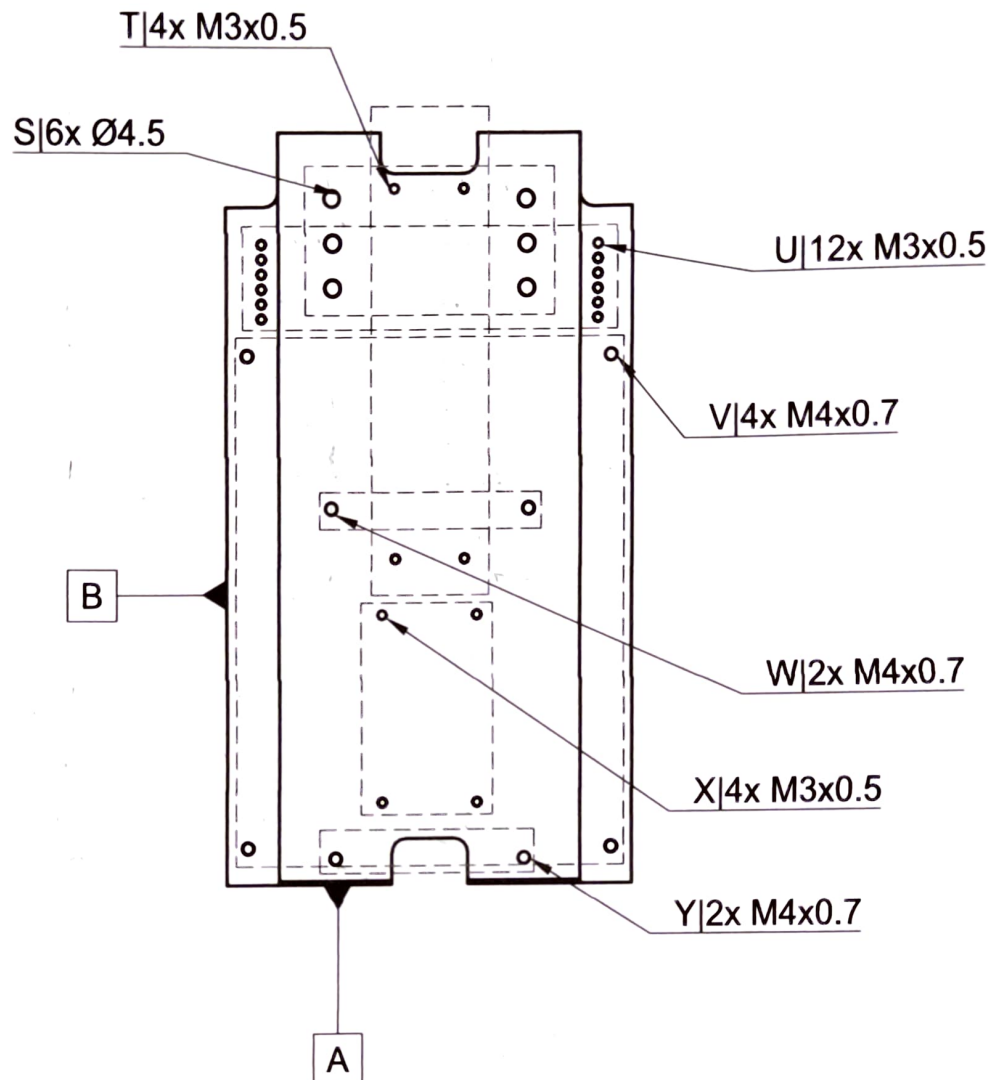
7 2_10_LinearActuatorMountingPlate_Rev-6

Part ID

2



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/13/2022	Scale 1:3
	Checked by	Sadeep A	12/19/2022	
	Validated by	Anuka B	24/02/2023	
Tolerance +/-0.15	Material Aluminium	Machine ID	Sheet 2/5	
	Part Name 7_2_10_LinearActuatorMountingPlate_Rev-6	Part ID 2		



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/13/2022	Scale	1:3
	Checked by	Sadeep A	12/19/2022		
	Validated by	Anuka - B	21/02/2023		
Tolerance +/-0.15	Material Aluminum	Machine ID	Sheet 3/5		
	Part Name	7_2_10_LinearActuatorMountingPlate_Rev-6			Part ID
					2

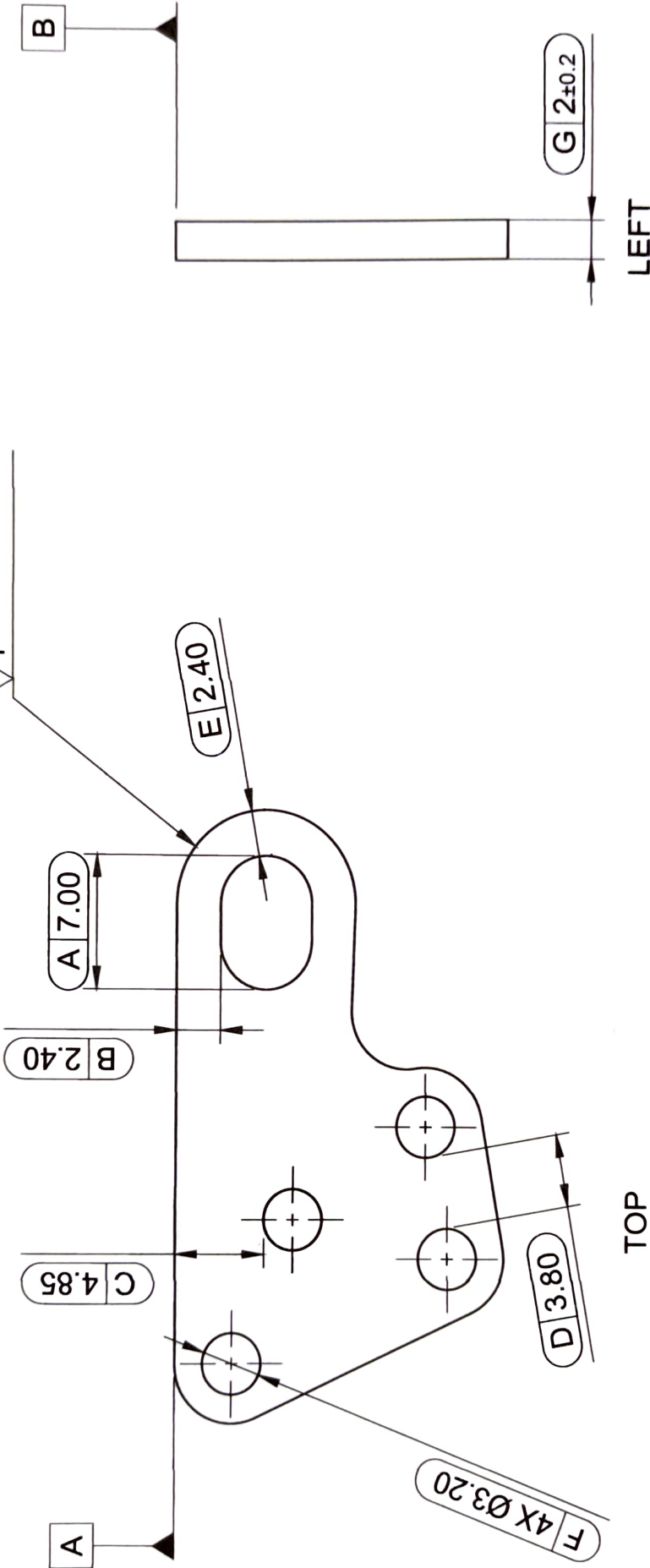
DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	204.05	+0.05	Pass
B	193.04	+0.09	Pass
C	184	—	Pass
D	117.02	+0.02	Pass
E	47.54	+0.09	Pass
F	87.02	+0.02	Pass
G	4.62	+0.12	Pass
H	6.05	+0.05	Pass
I	184.11	+0.11	Pass
J	117.27 117.27	+0.13 +0.13	Pass
K	160.13	+0.15	Pass
L	87.77	+0.08	Pass
M	8.43	+0.10	Pass
N	109.38	+0.05	Pass
O	47.33	+0.09	Pass
P	28.23	+0.02	Pass
Q	8.79	+0.05	Pass
R	4.40	+0.07	Pass
S	6 x 4.5	—	Pass
T	4 x M3	—	Pass
U	12 x M3	—	Pass



Comments:

De-burred	N/A	Tapped	Pass	Surface Finish	Pass
Drilled	N/A	Countersunk/bored	N/A	Mass	345.43g
					335.40g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/13/2022	Scale	1:3
	Checked by	Sadeep A	12/19/2022		
	Validated by	Anuka B	21/02/2023		
Tolerance +/-0.15	Material	Aluminium	Machine ID	Sheet	4/5
		Part Name	7_2_10_LinearActuatorMountingPlate_Rev-6		Part ID
					2

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Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	4:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Aiyuna P	2023/03/30		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	1/2
	Part Name		7_4_1_SiliconeMountPlate		
			Part ID		

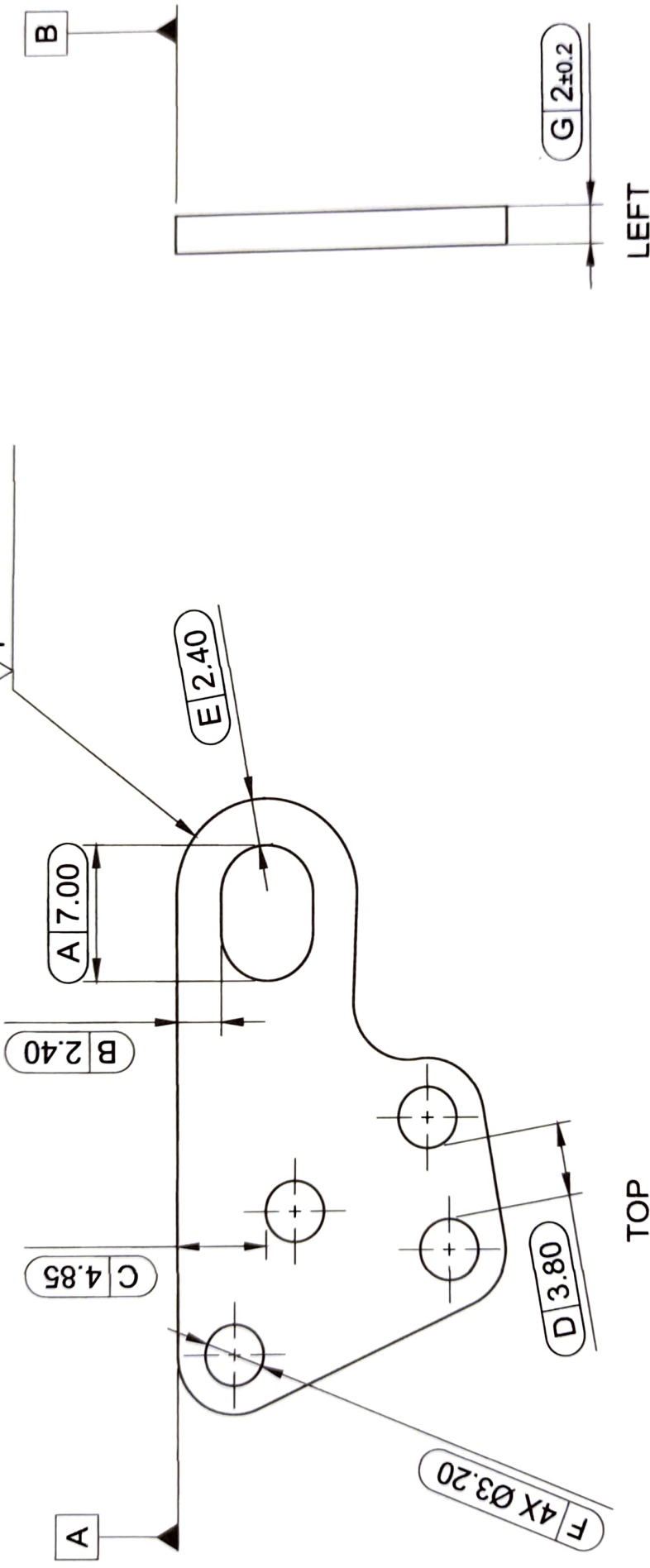
2



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	6.92	-0.08	Pass
B	2.35	-0.05	Pass
C	4.91	+0.06	Pass
D	3.89	+0.09	Pass
E	2.32	-0.08	Pass
F	3.15	-0.05	Pass
G	1.99	+0.01	Pass
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Comments: Several hole locations are not important, therefore not dimensioned

De-burred <i>Pass</i>		Tapped <i>N/A</i>		Surface Finish <i>Pass</i>	
Drilled <i>Pass</i>		Countersunk/bored <i>N/A</i>		Mass 1.809 g	<i>1.5g</i>
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 4:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	<i>Hiruna P</i>	<i>2023/03/30</i>		
Tolerance +/- 0.1	Material ALUMINIUM		Machine ID		Sheet 2/2
		Part Name 7_4_1_SiliconeMountPlate			Part ID <i>2</i>



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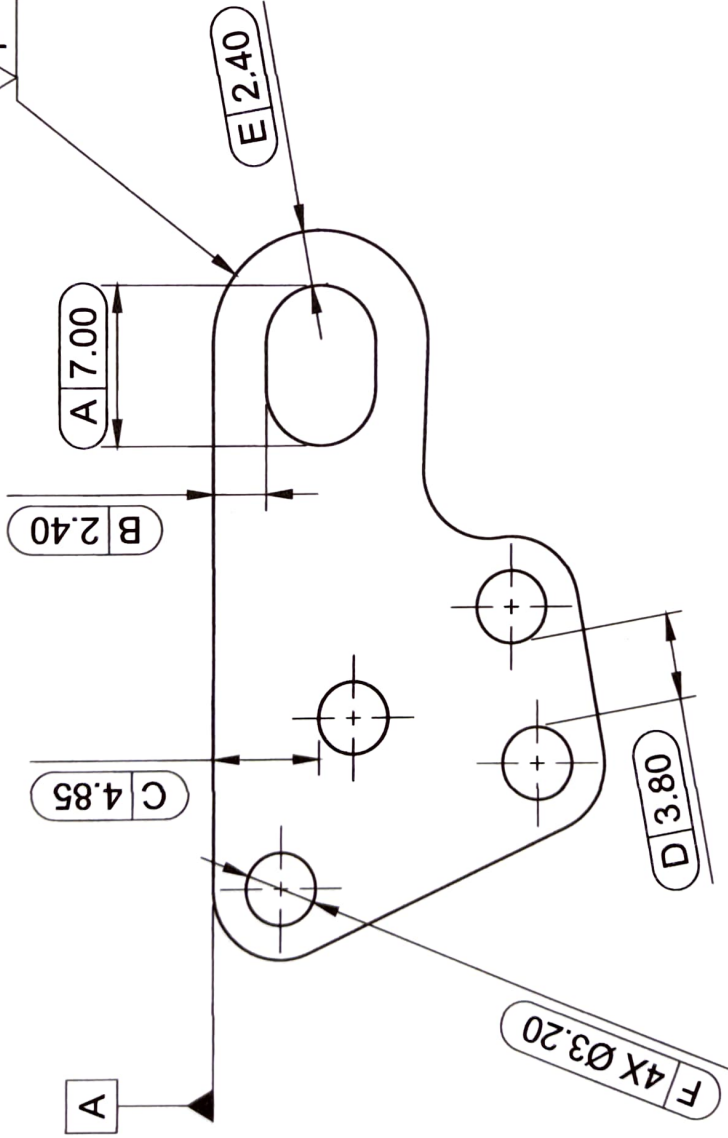
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	Checked by	Kavindha R	6/30/2022		
	Validated by	Arura P	2023/03/30		
Tolerance +/-0.1	Material ALUMINIUM		Machine ID	Sheet	1/2
	Part Name 7_4_1_SiliconeMountPlate				
	Part ID 3				

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	6.95	-0.05	Pass
B	2.31	-0.09	Pass
C	4.80	-0.05	Pass
D	3.84	+0.04	Pass
E	2.37	-0.03	Pass
F	3.15	-0.05	Pass
G	2.00	+0.00	Pass
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Comments: Several hole locations are not important, therefore not dimensioned


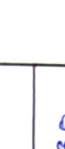

De-burred		Tapped		Surface Finish	
Pass		N/A		Pass	
Drilled		Countersunk/bored		Mass	
Pass		N/A		1.809 g	1.5g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	4:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hrruna P	2023/03/30		
Tolerance +/- 0.1	Material ALUMINIUM		Machine ID		Sheet 2/2
 Part Name 7_4_1_SiliconeMountPlate					Part ID 3

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P

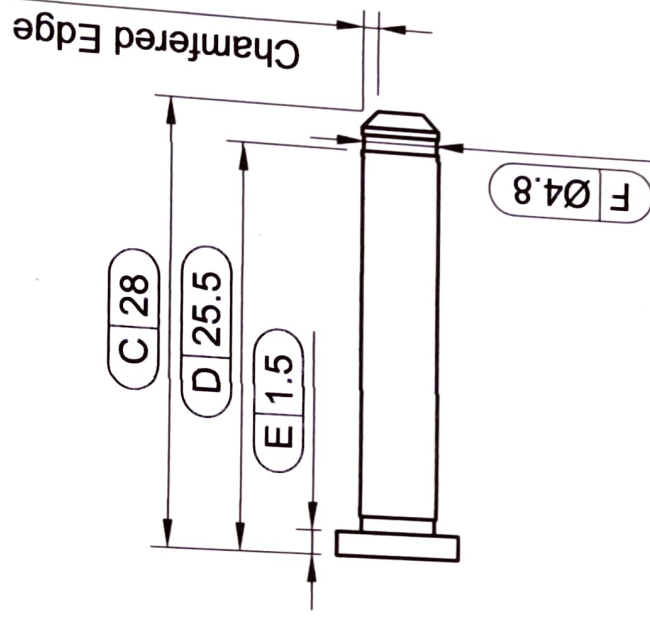
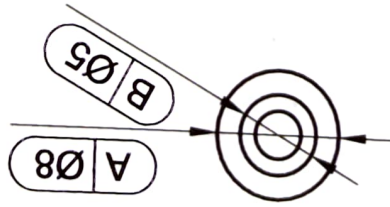




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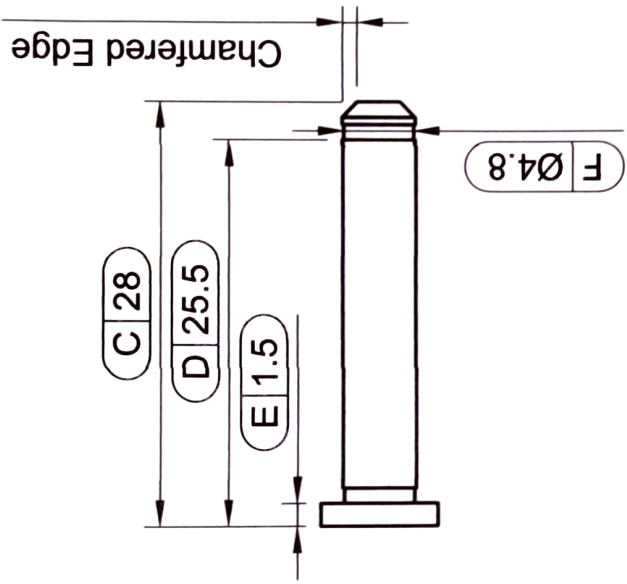
LEFT

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	4:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	2022/03/30		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	1/2
	Part Name		7_4_1_SiliconeMountPlate		
			Part ID		

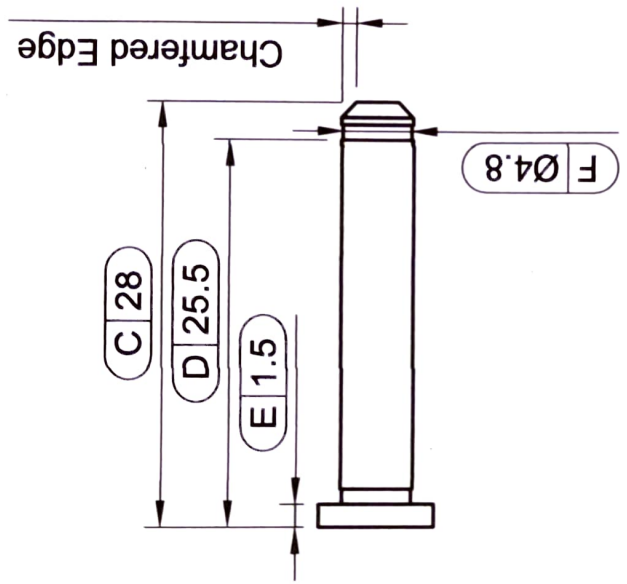
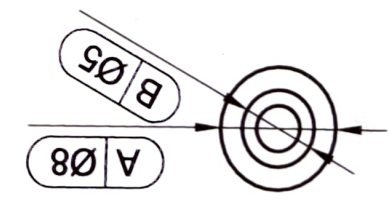
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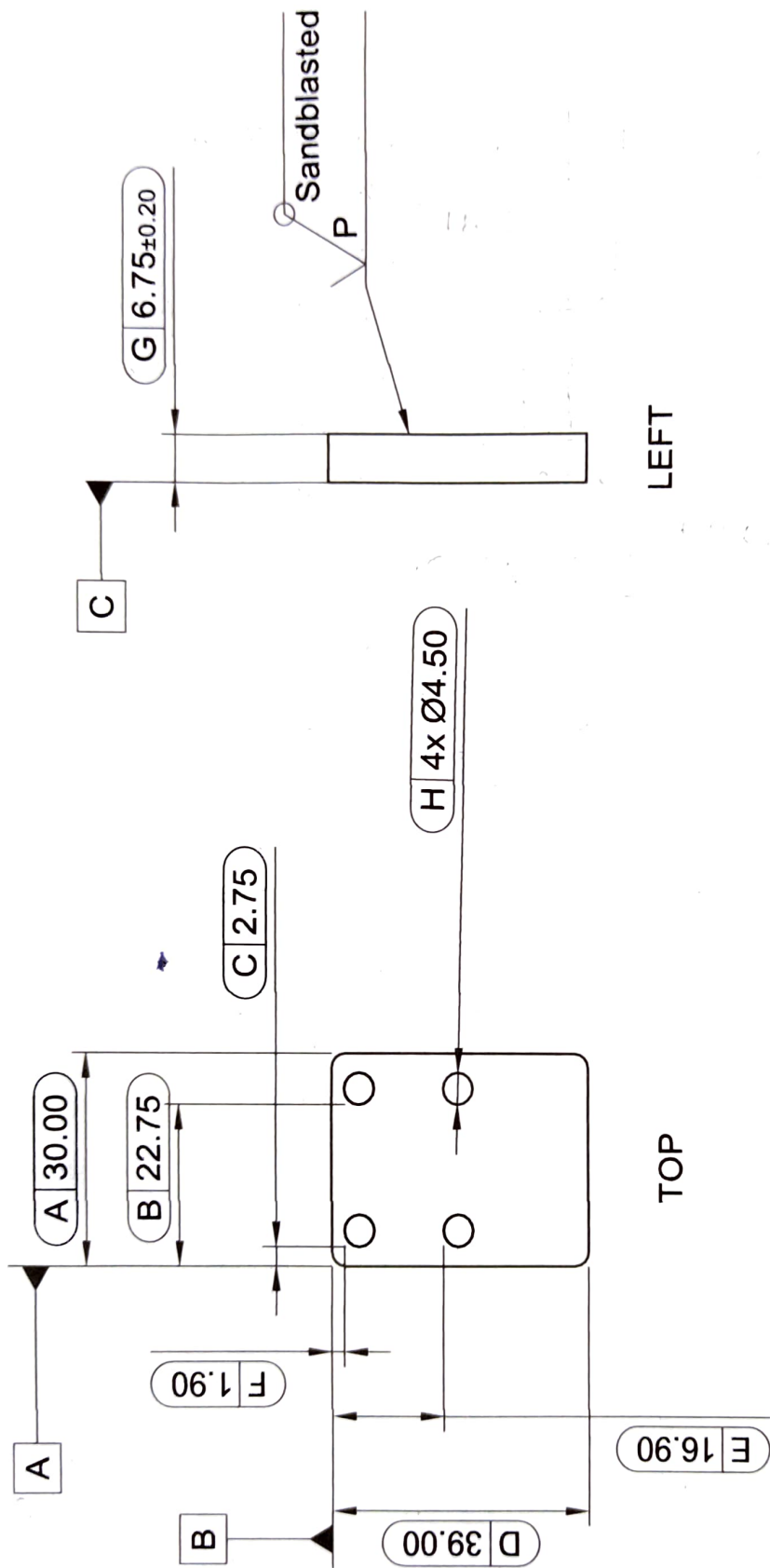
<div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</div>	Drawn by	Asad	12/20/2022	Scale	2:1
	Checked by		Kasun Y	12/20/2022	
	Validated by		Disha G	03 / 24 / 2023	
	Tolerance +/-0.15	Material	SS	Machine ID	Sheet
<div> Atlas Labs</div>		Part Name		Part ID	3
		7_4_34_LinkagePin			



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/20/2022	Scale	2:1
	Checked by	Kasun Y	12/20/2022		
	Validated by	Disha G			
Tolerance +/-0.15	Material	SS	Machine ID	Sheet	1/2
Atlas Labs		7_4_34_LinkagePin		Part ID	2



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/20/2022	Scale	2:1
	Checked by	Kasun Y	12/20/2022		
	Validated by	Dishal C	3/24/2023		
	Material SS		Machine ID	Sheet	1/2
Tolerance +/-0.15		Part Name		Part ID	1
		7_4_34_LinkagePin			

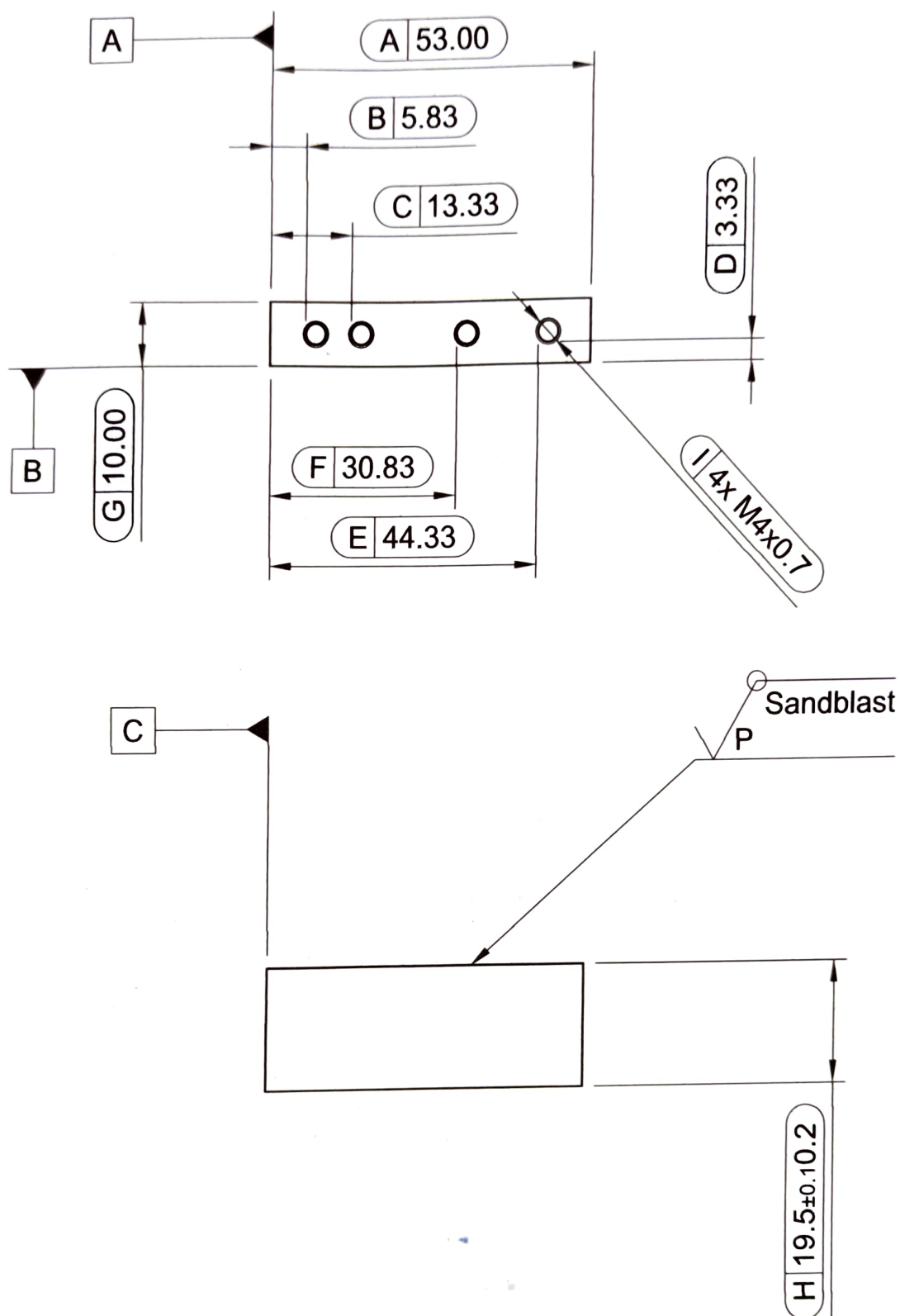


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<div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</div>	Drawn by	Kavindha R	6/30/2022	<div>Scale 1:1</div>
	Checked by	Kasun Y	7/29/2022	
	Validated by	Kavindra	2/21/2023	
<div>Tolerance +/- 0.1</div>	Material	Aluminium	Machine ID	Sheet 1/2
	Part Name 7_2_32_MountPlateSpacer			
Part ID				

E3

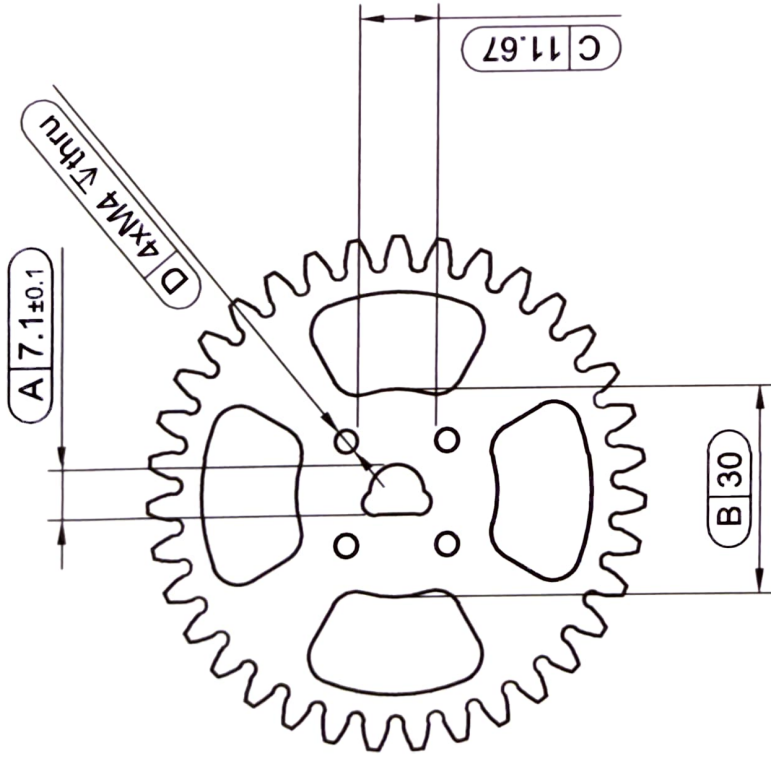



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/29/2022	Scale 1:1
	Checked by	Kasun Y	7/29/2022	
	Validated by	Ragunath m	20/02/23	
Tolerance +/- 0.1	Material	Aluminum	Machine ID	Sheet 1/2
	Part Name	7_2_16_MainPlateSpacer		Part ID 4

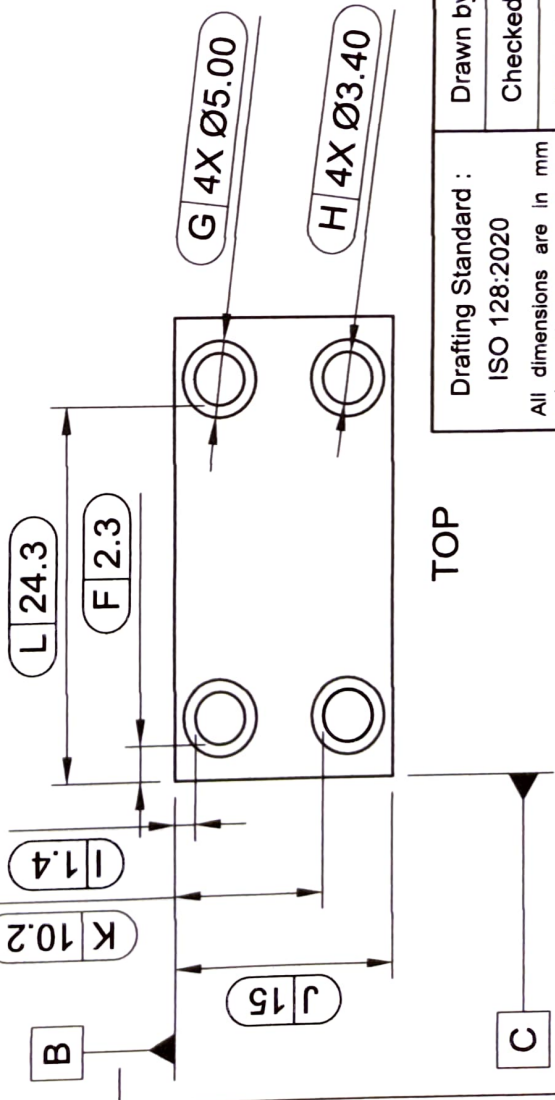
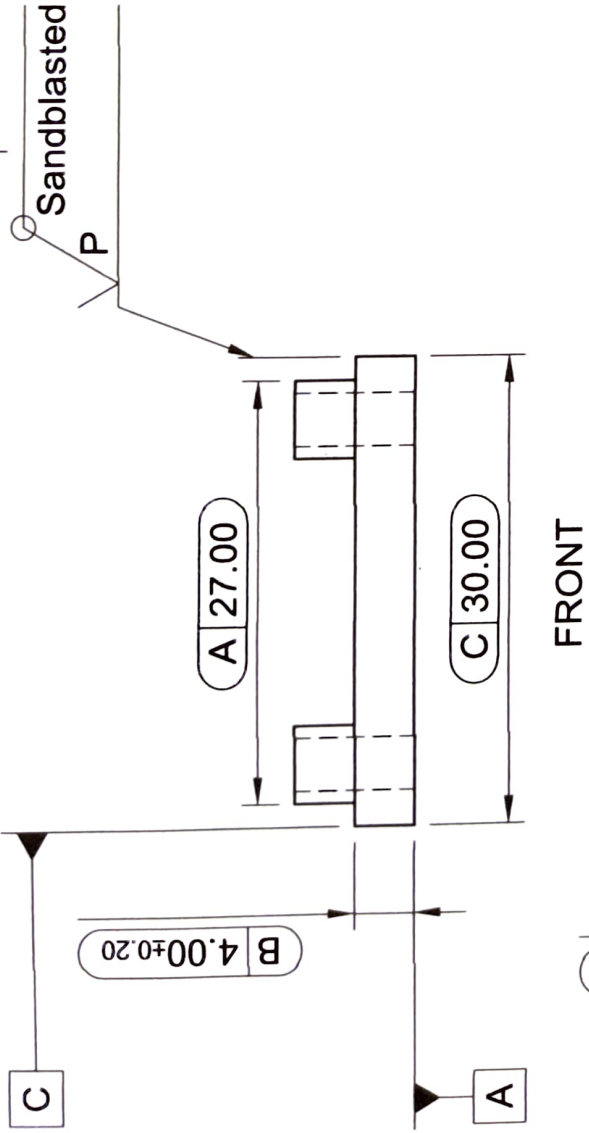
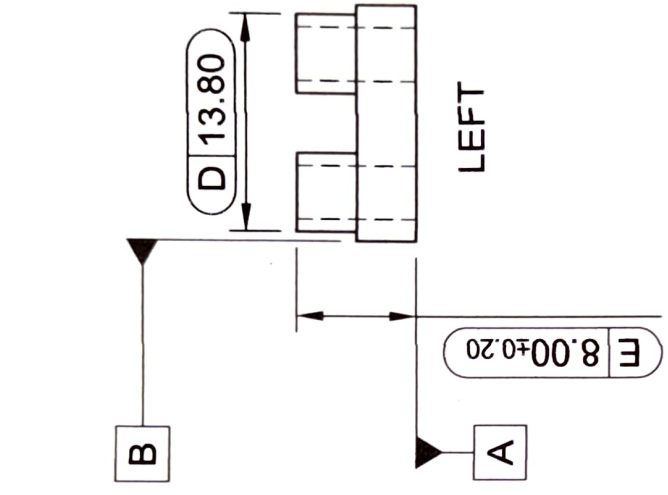
DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	53	-	PASS
B	5.90	+0.07	PASS
C	13.34	+0.01	PASS
D	3.39	+0.06	PASS
E	44.39	+0.06	PASS
F	30.84	+0.01	PASS
G	10.01	+0.01	PASS
H	19.51	+0.01	PASS
I	N/A	-	PASS
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Comments:

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	26.068 g
					26g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/29/2022	Scale	1:1
	Checked by	Kasun Y	7/29/2022		
	Validated by	Ragunath M	20/02/23		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
	Part Name				Part ID
7_2_16_MainPlateSpacer				1	



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance ± 0.15	Drawn by	Asad	2/8/2023	Scale	1
	Checked by	Kaoun M	21/03/2023		
	Validated by	Kaoun M	21/03/2023		
Material		SS	Machine ID		Sheet
Part Name		7_7_3_MotorGearCNC_Rev-6		1/2	
AtlasLabs				Part ID	



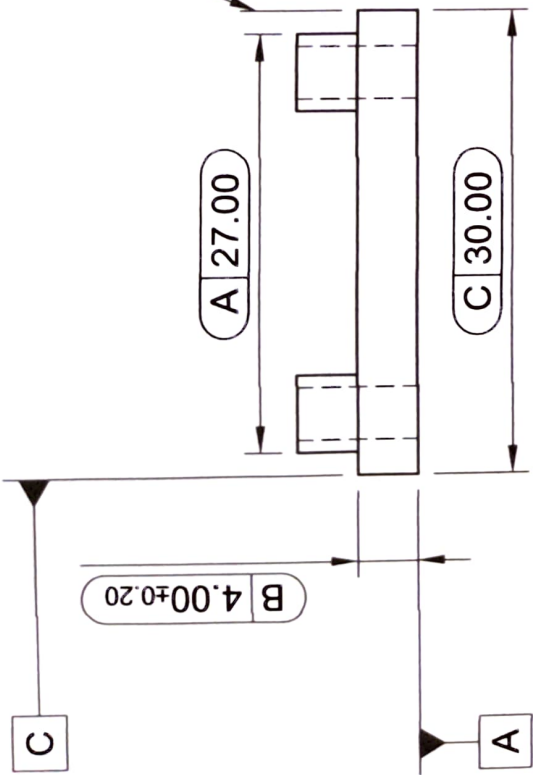
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hirana P	03/23/2022		
Tolerance +/-0.1		Material ALUMINIUM		Machine ID	Sheet 1/2
		Part Name 7_1_2_SiliconeGripperMountingBottomBrace			Part ID 1

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.01	+0.01	Pass
B	3.97	-0.03	Pass
C	30.06	+0.06	Pass
D	13.79	-0.01	Pass
E	7.91	-0.09	Pass.
F	2.39	+0.09	Pass.
G	6.82	+1.82	Pass
H	3.42	+0.02	Pass.
I	1.48	+0.08	Pass.
J	14.98	-0.02	Pass -
K	16.27	+0.07	Pass.
L	24.38	+0.08	Pass.
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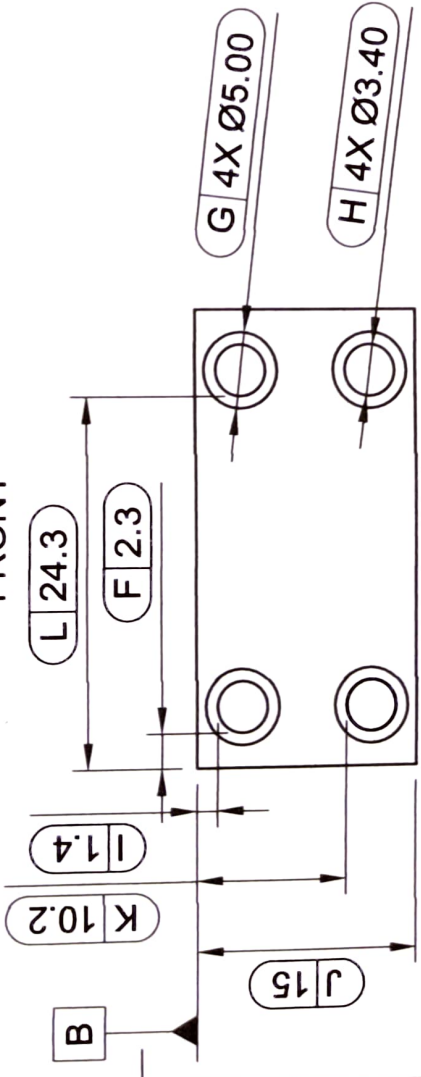
Comments: Dimension G was passed since not critical.

De-burred	Pass	Tapped	N/A	Surface Finish	Pass	
Drilled	Pass.	Countersunk/bored	Pass.	Mass	4.924 g	
					4.9	
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1	
	Checked by	Kavindha R	6/30/2022			
	Validated by	Hiruna P	03/23/2023			
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2	
	Part Name	7_1_2_SiliconeGripperMountingMidBrace			Part ID	7

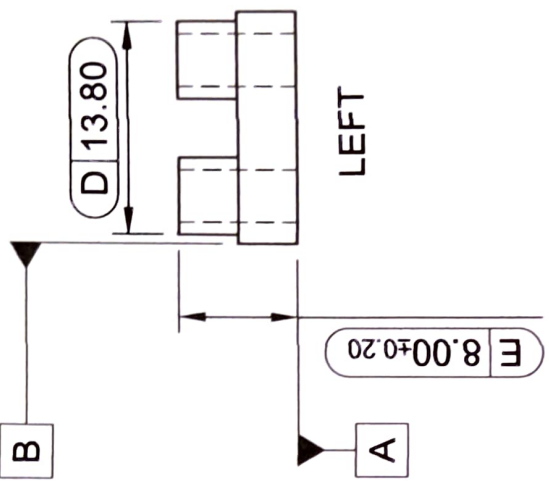
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FRONT



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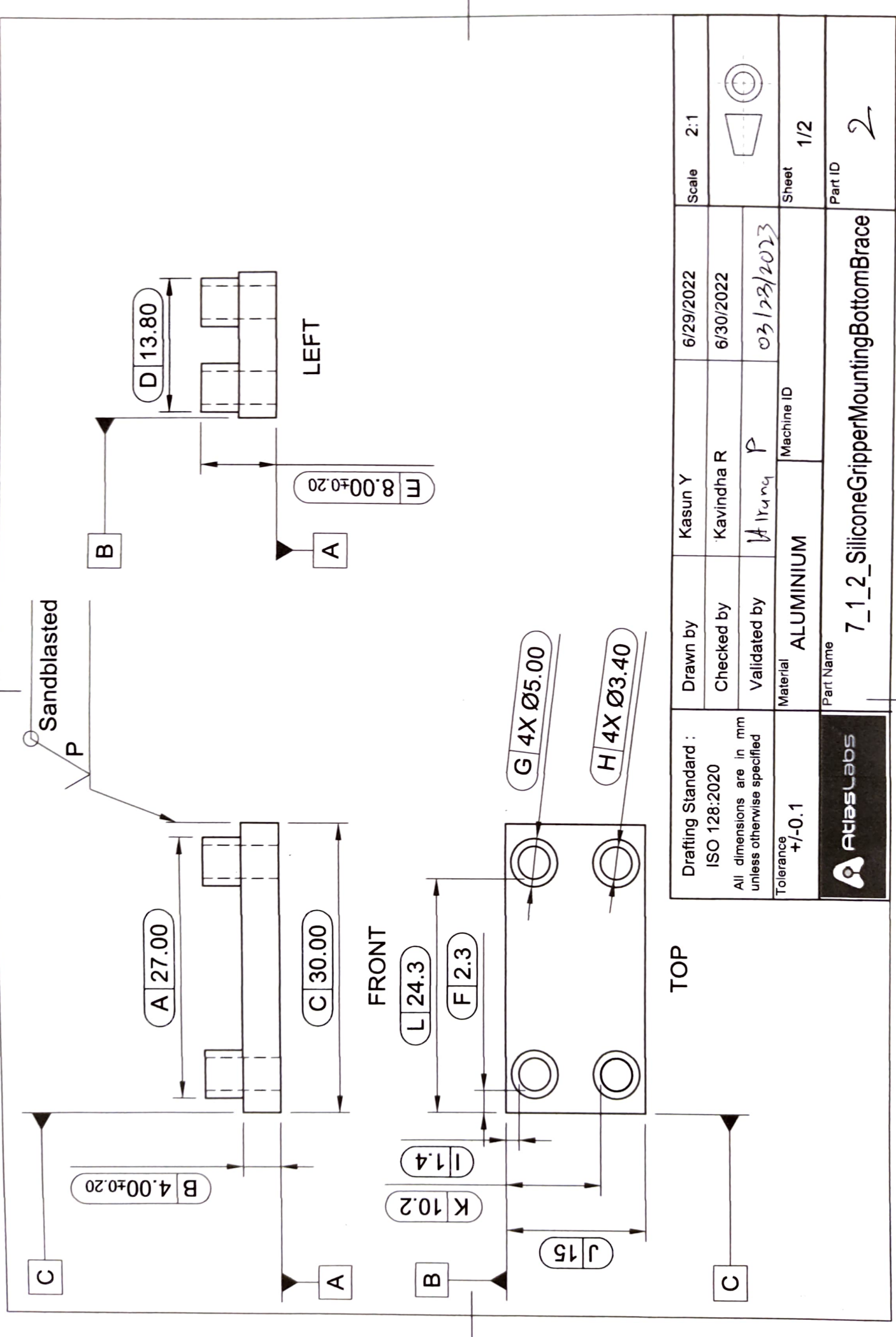
LEFT

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	03/23/2023		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	1/2
		Part Name		Part ID	
		7_1_2_SiliconeGripperMountingBottomBrace		3	

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	26.95	-0.05	Pass.
B	4.05	+0.05	Pass.
C	30.04	+0.04	Pass.
D	13.81	+0.01	Pass.
E	8.02	+0.02	Pass.
F	2.37	+0.07	Pass.
G	6.05	+1.05	Pass.
H	3.31	-0.09	Pass.
I	1.49	+0.09	Pass.
J	14.96	-0.04	Pass.
K	10.26	+0.06	Pass.
L	24.38	+0.08	Pass.
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Comments: Dimension G was passed since not critical.

De-burred	Pass	Tapped	N/A	Surface Finish	Pass.
Drilled	Pass	Countersunk/bored	Pass.	Mass	4.924 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	03/23/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 2/2		
				Part Name	7_1_2_SiliconeGripperMountingMidBrace
				Part ID	3

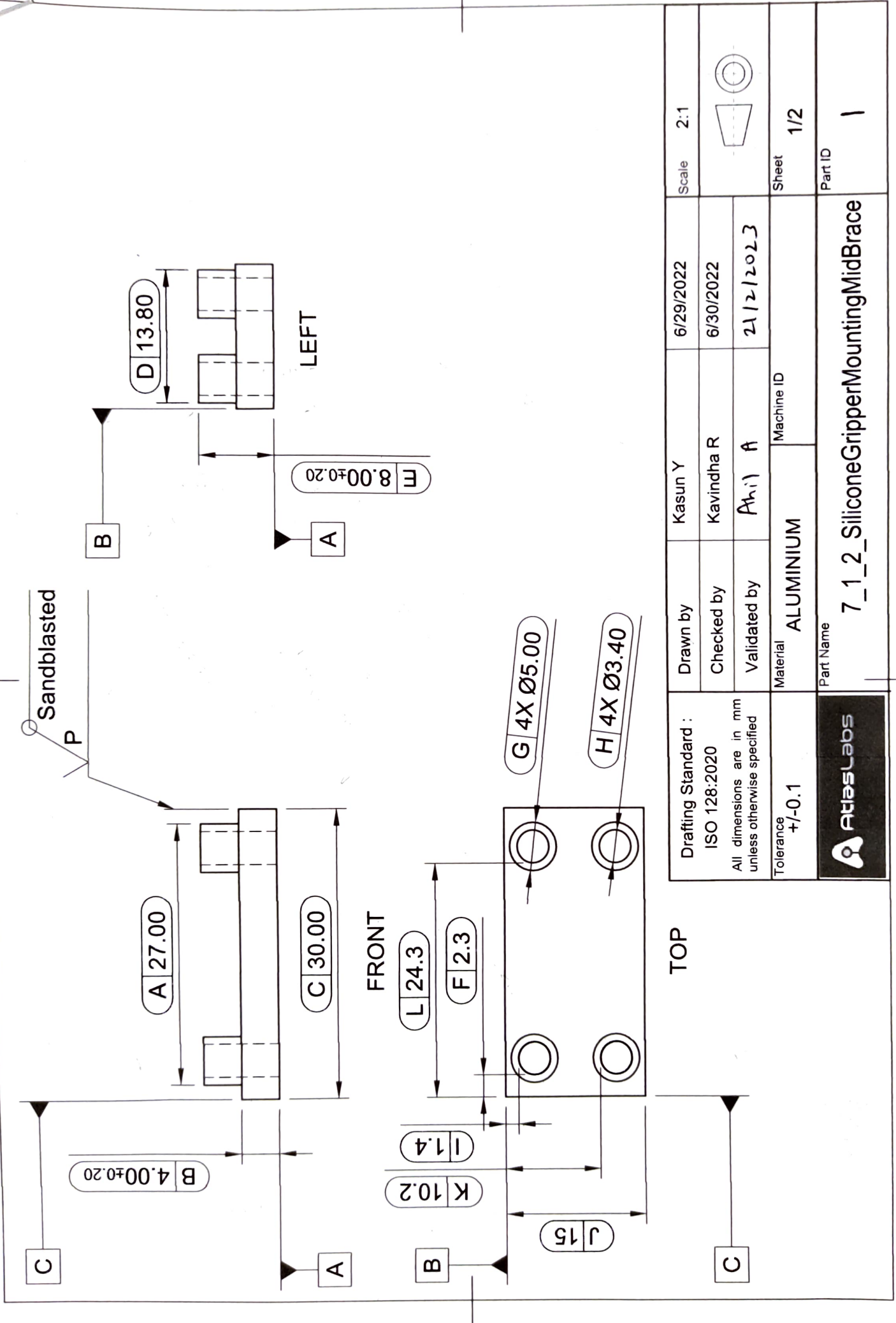


Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified		Drawn by Kasun Y	6/29/2022	Scale 2:1
		Checked by Kavindha R	6/30/2022	
		Validated by Arun P	03/23/2023	
Tolerance +/-0.1		Material ALUMINIUM		Sheet 1/2
		Part Name 7_1_2_SiliconeGripperMountingBottomBrace		Part ID 2

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+0.00	Pass.
B	3.98	-0.02	Pass
C	30.05	+0.05	Pass
D	13.71	-0.09	Pass
E	7.91	-0.09	Pass
F	2.37	+0.07	Pass
G	5.75	+0.75	Pass
H	3.30	-0.10	Pass.
I	1.43	+0.03	Pass.
J	14.94	-0.06	Pass
K	10.20	+0.00	Pass
L	24.36	+0.06	Pass.
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Comments: Dimension G was passed since not critical.

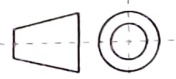

De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	Pass.	Mass	4.924 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Aruna P	03/23/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 2/2		
	Part Name 7_1_2_SiliconeGripperMountingMidBrace			Part ID	



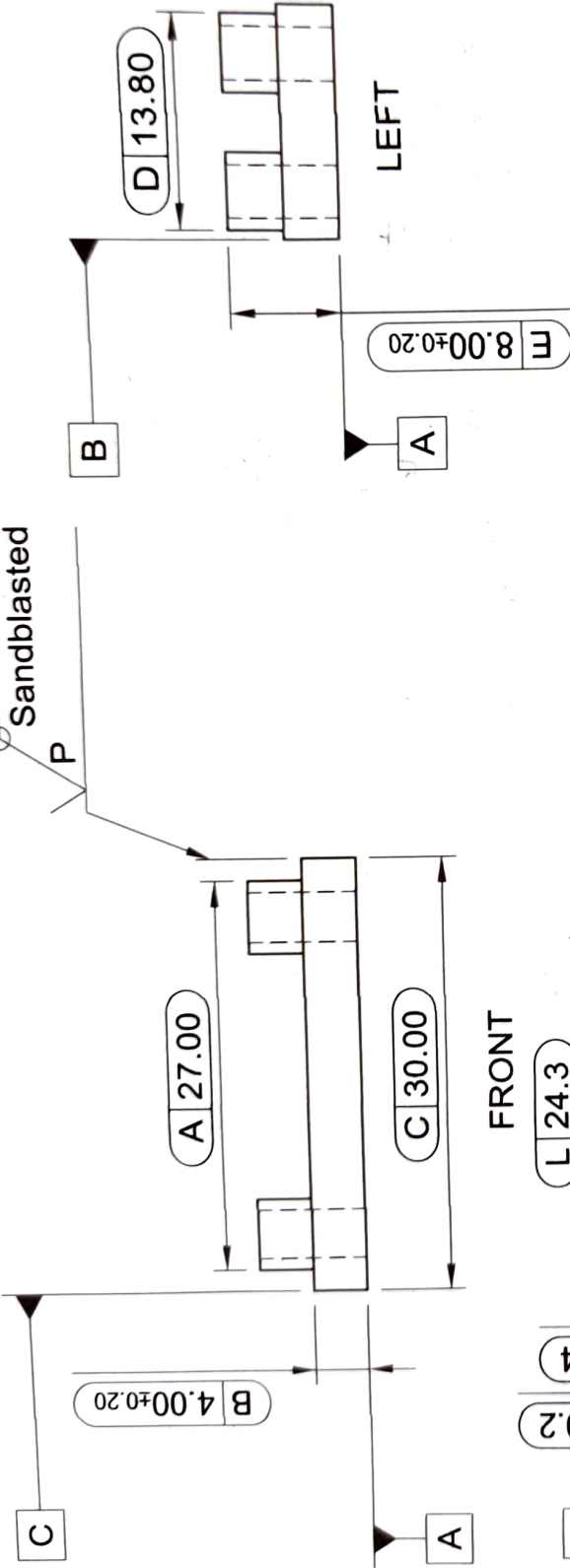
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kasun Y	6/29/2022	Scale 2:1
Tolerance +/-0.1	Checked by Kavindha R	6/30/2022	
	Validated by Ahi A	21/2/2023	
	Material ALUMINIUM	Machine ID	Sheet 1/2
Atlas Labs	Part Name 7_1_2_SiliconeGripperMountingMidBrace	Part ID 1	

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	3.98	-0.02	PASS
C	30.01	+0.01	PASS
D	13.81	+0.01	PASS
E	7.98	-0.02	PASS
F	2.33	+0.03	PASS
G <i>dia</i>	14.3 14.99	+0.03 -0.01	PASS
H <i>dia</i>	14.47 13.38	-0.02 <i>dia</i>	PASS
I <i>dia</i>	10.28 1.43	+0.03 +0.03	PASS
J	14.98	-0.02	PASS
K	10.28	+0.03	PASS
L	24.30	+/-0.00 <i>dia</i>	PASS
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Comments:



De-burred PASS		Tapped N/A		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 4.924 g	4g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahil A	21/2/2023		
Tolerance +/- 0.1	Material Aluminium		Machine ID		Sheet 2/2
 Part Name 7_1_2_SiliconeGripperMountingMidBrace					Part ID 1

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FRONT

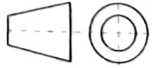

TOP

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahli A	21/2/2023		
Tolerance +/-0.1	Material		Machine ID		Sheet
	ALUMINIUM				1/2
	Part Name		Part ID		
	7_1_2_SiliconeGripperMountingMidBrace		2		

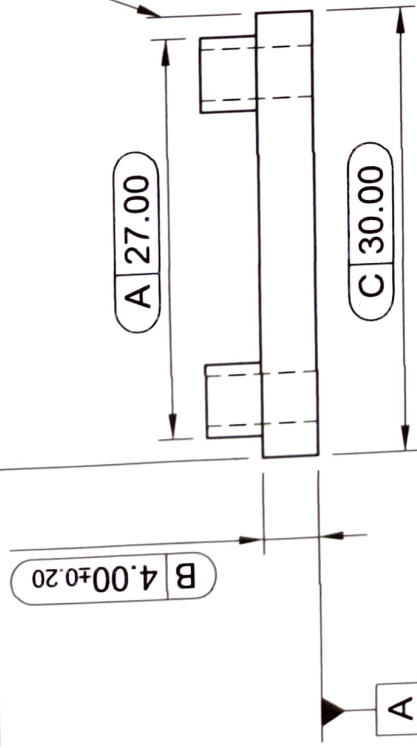
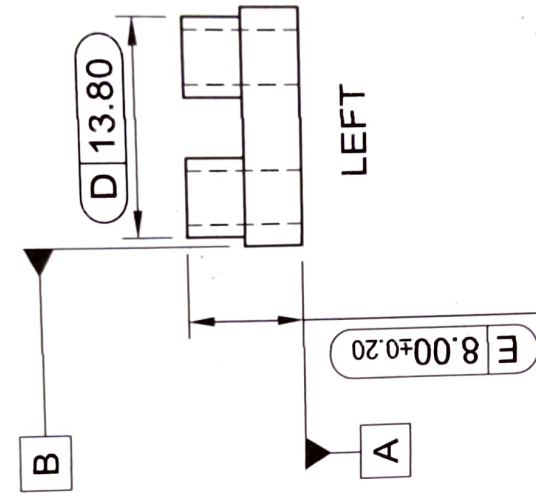
F3

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	4.07	+0.07	PASS
C	30.01	+0.01	PASS
D	13.79	-0.01	PASS
E	7.97	-0.03	PASS
F	2.35	+0.05	PASS
G	4.98	-0.02	PASS
H	3.36	-0.04 <i>di</i>	PASS
I	1.40	+/- 0.00	PASS
J	14.98	-0.02	PASS
K	10.21	+0.01	PASS
L	24.35	+0.05 <i>di</i>	PASS
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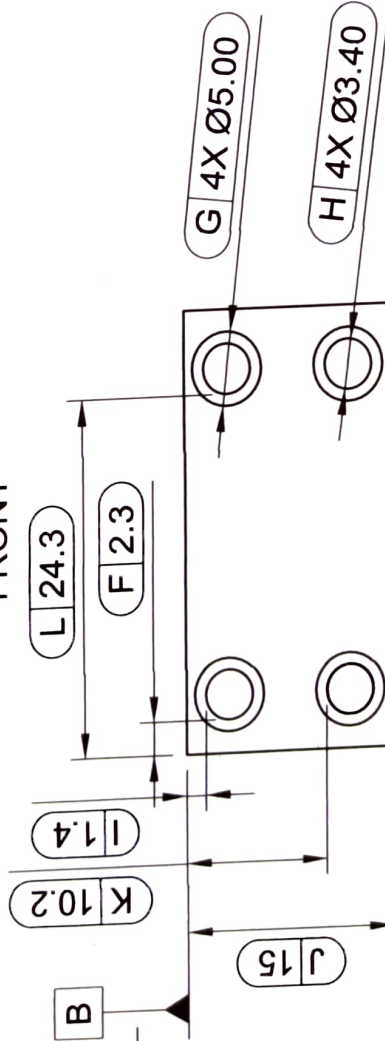
Comments:

De-burred <i>PASS</i>		Tapped <i>N/A</i>		Surface Finish <i>PASS</i>	
Drilled <i>PASS</i>		Countersunk/bored <i>N/A</i>		Mass 4.924 g	3 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Anil A	21/2/2023		
Tolerance +/- 0.1	Material Aluminium		Machine ID		Sheet 2/2
 Part Name 7_1_2_SiliconeGripperMountingMidBrace					Part ID 2

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FRONT



TOP

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/-0.1	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Phil A	21/2/2023		
Material		Machine ID		Sheet	1/2
Part Name		Part ID		3	



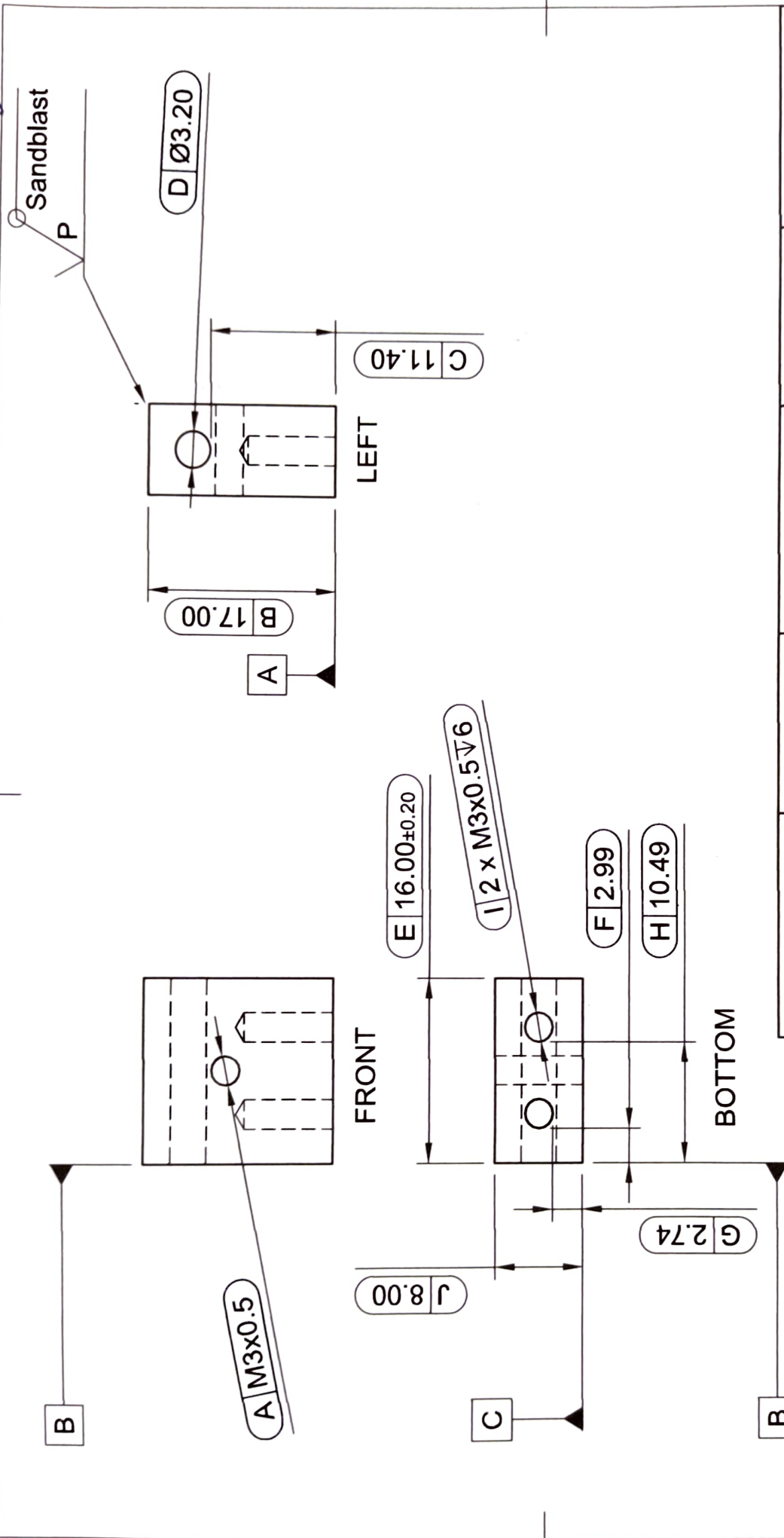
7_1_2_SiliconeGripperMountingMidBrace



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	3.99	-0.01	PASS
C	30.04	+0.04	PASS
D	13.81	+0.01	PASS
E	8.00	+/- 0.00	PASS
F	2.36	+0.06	PASS
G	4.99	-0.01	PASS
H	3.34	-0.06	PASS
I	1.37	-0.03	PASS
J	14.97	-0.03	PASS
K	10.16	-0.04	PASS
L	24.30	+/- 0.00	PASS
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Comments:

De-burred PASS		Tapped N/A		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 4.924 g	3.0g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Anil A	21/2/2023		
Tolerance +/- 0.1	Material Aluminium		Machine ID		Sheet 2/2
					Part Name 7_1_2_SiliconeGripperMountingMidBrace Part ID 3

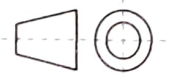
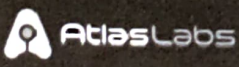
E3

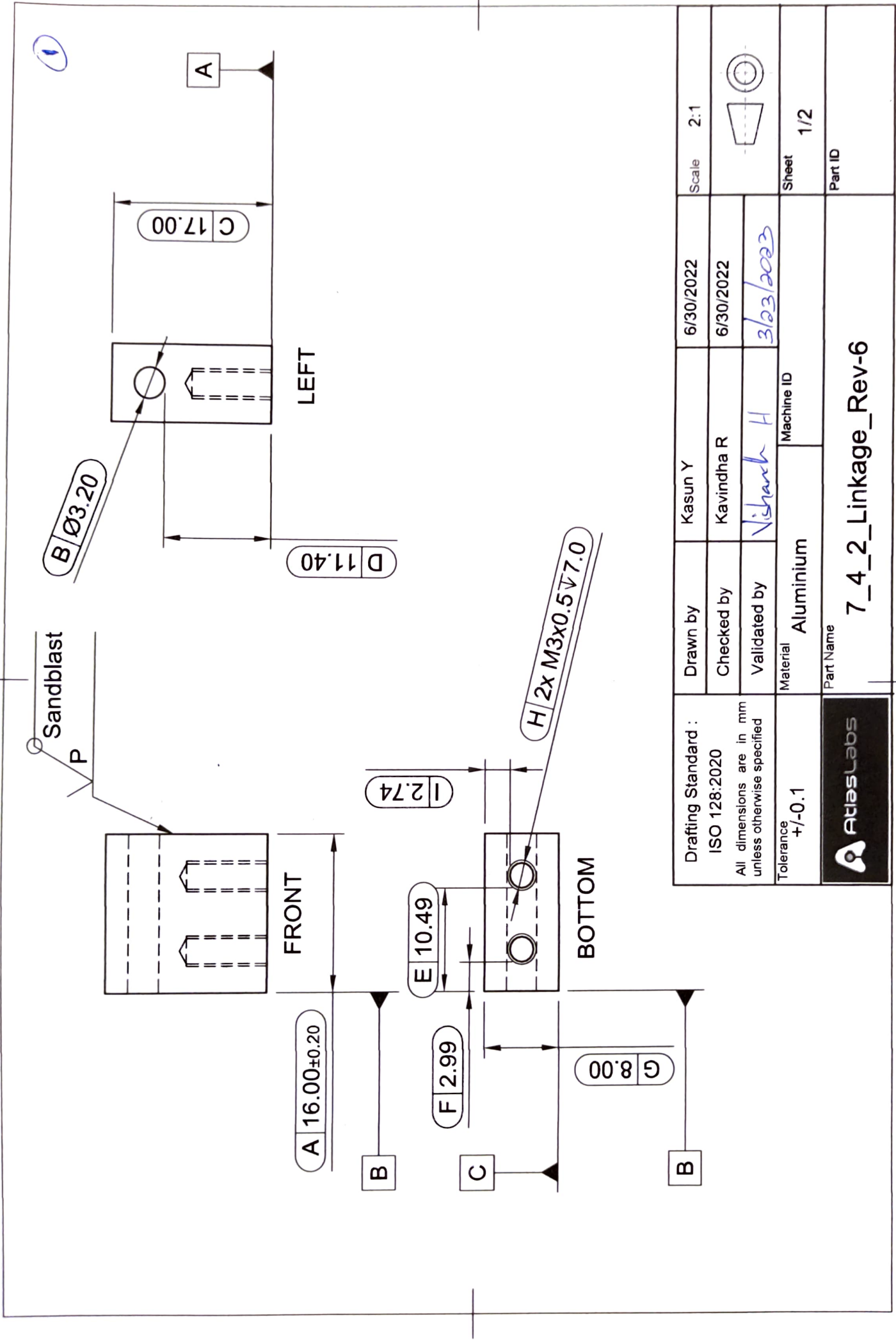


Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale	2:1	
	Checked by	Kavindha R	6/30/2022			
		Validated by	Mavindha N	3/23/2023		
Tolerance +/-0.1	Material ALUMINIUM		Machine ID			
	Part Name 7_4_35_HomingLinkage_Rev-6					Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	M3x0.5	N/A	Pass
B	17.02	+0.02	Pass
C	11.47	+0.07	Pass
D	3.10	+0.10	Pass
E	15.97	-0.03	Pass
F	2.99	-	Pass
G	2.77	+0.03	Pass
H	10.51	+0.02	Pass
I	2xM3x0.5	-	Pass
J	7.95	-0.05	Pass
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Comments:

De-burred	Pass	Tapped	Pass	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass	6.852 g
					5g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Movindra N	3/23/2023		
Tolerance +/-0.1	Material ALUMINIUM	Machine ID	Sheet 2/2		
	Part Name 7_4_35_HomingLinkage_Rev-6			Part ID	



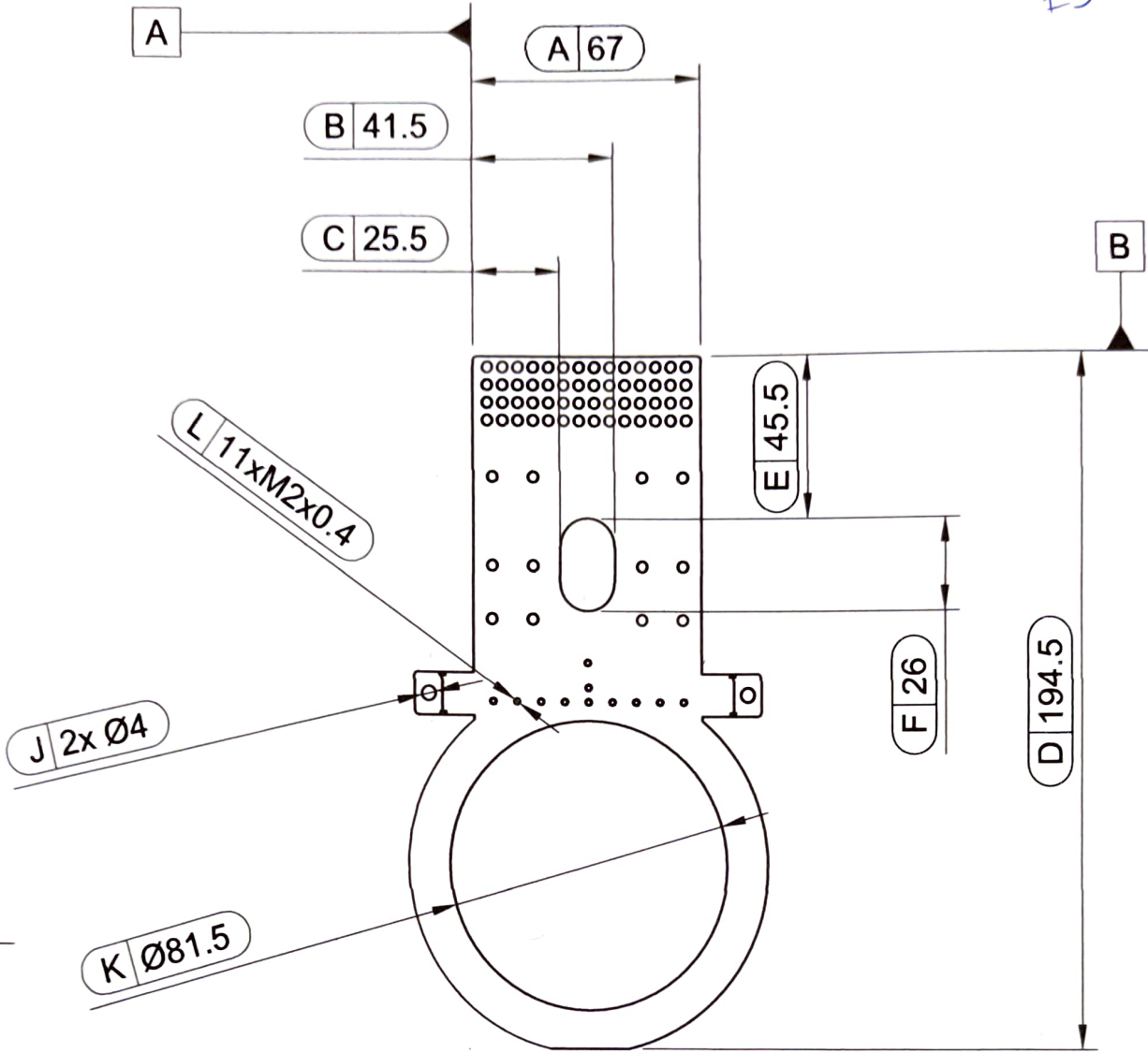
Drafting Standard : ISO 128:2020	Drawn by Kasun Y	6/30/2022	Scale 2:1
All dimensions are in mm unless otherwise specified	Checked by Kavindha R	6/30/2022	
	Validated by Vishakh H	3/23/2023	
Tolerance ±0.1	Material Aluminium	Machine ID	Sheet 1/2
AtlasLabs	Part Name 7_4_2_Linkage_Rev-6		
	Part ID		

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	16.01	+0.01	Pass
B	3.12	-0.02	Pass
C	17.07	+0.07	Pass
D	11.46	+0.06	Pass
E	10.55	+0.06	Pass
F	3.04	+0.05	Pass
G	8.00	0.0	Pass
H	2.32 Pass	Pass +0.02	Pass Pass
I	2.82	+0.03	Pass
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Comments:

De-burred <u>Pass</u>		Tapped <u>Pass</u>		Surface Finish <u>Pass</u>	
Drilled <u>Pass</u>		Countersunk/bored <u>N/A</u>		Mass 5.29 g	<u>5g Pass</u>
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	<u>Vishanck H</u>	<u>3/23/2023</u>		
Tolerance +/-0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
Part Name 7_4_2_Linkage_Rev-6				Part ID	

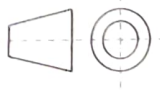

E3

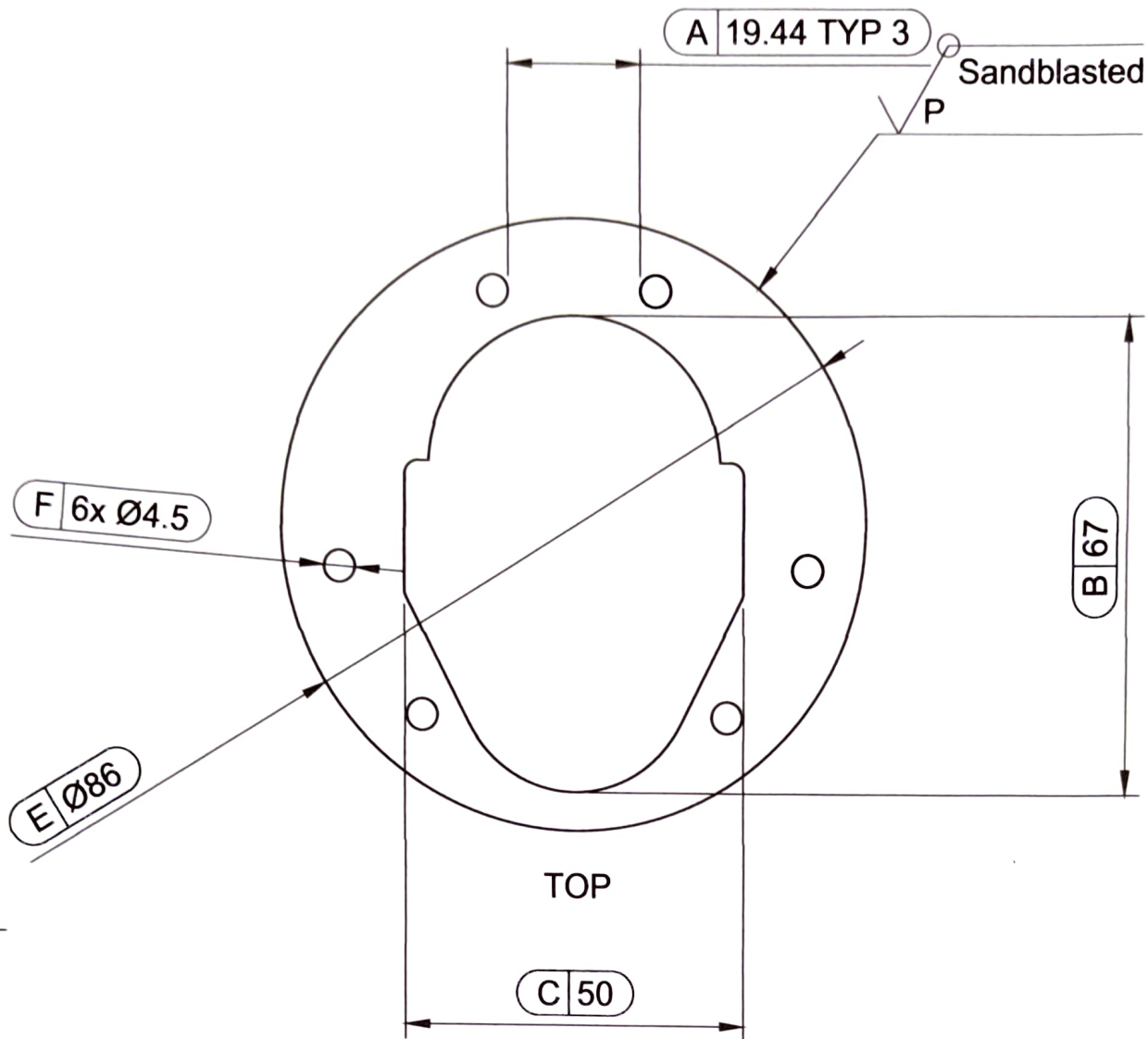


Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kavindha R	6/30/2022	Scale 1:2
	Checked by Kasun Y	7/29/2022	
	Validated by Ahil A	22/3/2023	
Tolerance +/- 0.1	Material Stainless Steel	Machine ID	Sheet 1/2
	Part Name 7_2_4_Wireprotection	Part ID	

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	67.00	+/- 0.00	PASS
B <i>all</i>	41.53	+ 0.13	PASS
C	25.43	- 0.07	PASS
D	194.45	- 0.05	PASS
E	45.40	- 0.10	PASS
F	26.26	+ 0.26	PASS
G	24.11	+ 0.01 <i>all</i>	PASS
H	8.89	+ 0.10	PASS
I	12.45	+ 0.06	PASS
J	4.10	+ 0.10	PASS
K	82.02	+ 0.07	PASS
L	M2x0.4	—	PASS
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Comments: "Dimension ²⁶ F deviation out of tolerance not critical."



De-burred <i>PASS</i>		Tapped <i>PASS</i>		Surface Finish <i>PASS</i>	
Drilled <i>PASS</i>		Countersunk/bored <i>N/A</i>		Mass 60.147 g	<i>52g</i>
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/30/2022	Scale 1:2	
	Checked by	Kasun Y	7/29/2022		
	Validated by	<i>Ahli A</i>	<i>22/3/2023</i>		
Tolerance +/- 0.1	Material Stainless Steel	Machine ID		Sheet 2/2	
		Part Name 7_2_4_Wireprotection			Part ID



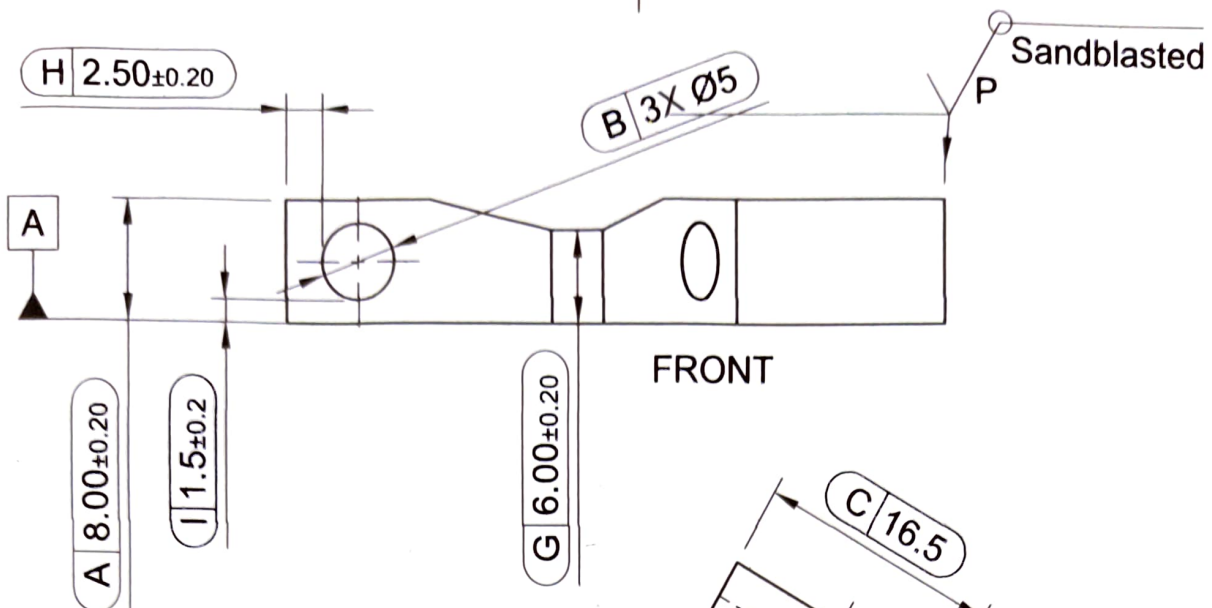
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	7/1/2022	Scale 1:1
	Checked by	Kasun Y	7/29/2022	
	Validated by	Hiruna P	03/20/2023	
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 1/2	
	Part Name	7_8_1_ClawMountPlateV2_3mm		Part ID

[illegible]

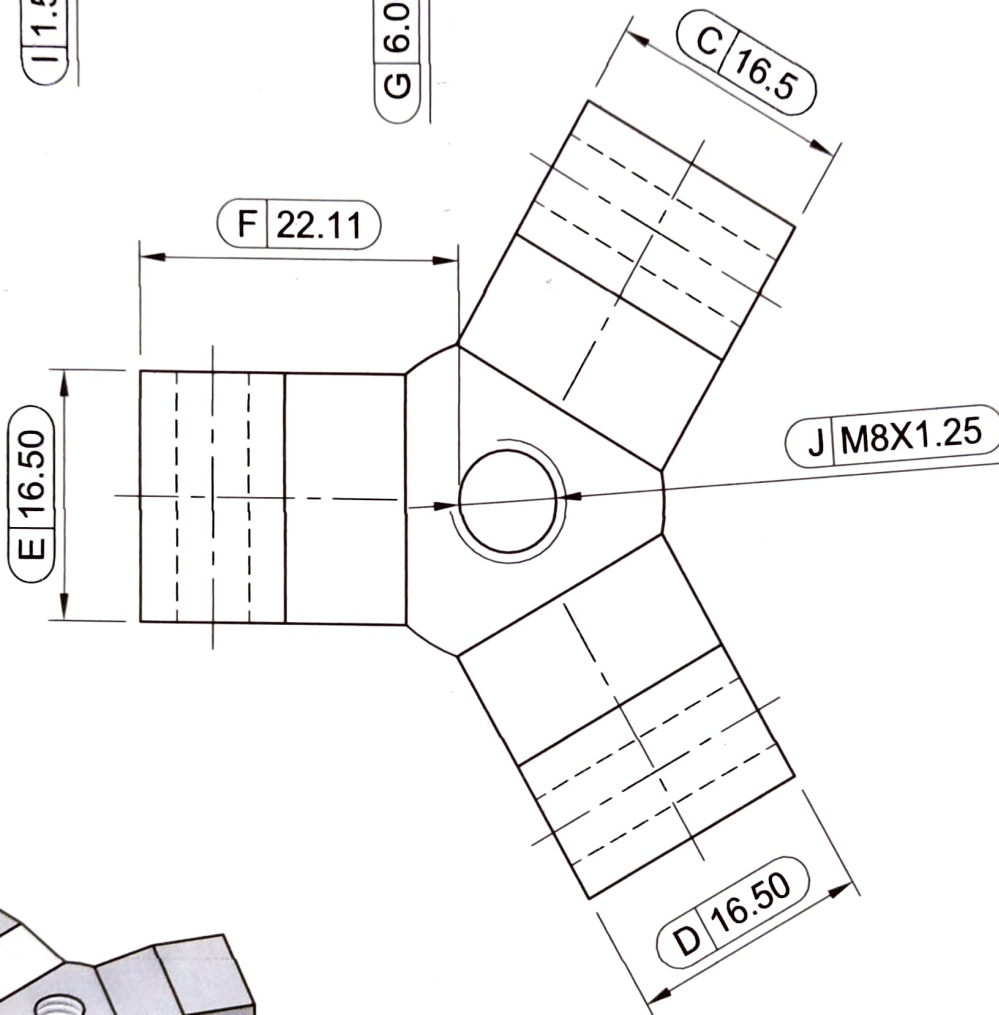
Comments:

De-burred <i>Pass</i>		Tapped <i>N/A</i>		Surface Finish <i>Pass</i>	
Drilled <i>Pass</i>		Countersunk/bored <i>N/A</i>		Mass 25.461 g	25g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	7/1/2022		Scale 1:1 
	Checked by	Kasun Y	7/29/2022		
	Validated by	<i>Kiruna P</i>	<i>02/20/2023</i>		
Tolerance +/- 0.1	Material Aluminium		Machine ID		Sheet 2/2
 Atlas Labs	Part Name 7_8_1_ClawMountPlateV2_3mm				Part ID

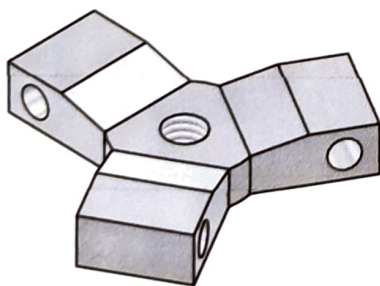




FRONT



TOP

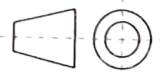
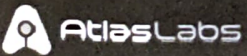


REFERENCE VIEW

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 1:1
	Checked by	Kavindha R		
	Validated by	Kavindra	2/21/2023	
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet 1/2
	Part Name	7_4_4_3 Arm Runner		Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	8.02	+ 0.02	Pass
B	4.98	- 0.02	Pass.
C	16.48	- 0.02	Pass
D	16.48	- 0.02	Pass
E	16.46	- 0.04	Pass
F	22.18	+ 0.07	Pass
G	5.97	- 0.03	Pass.
H	2.58	+ 0.08	Pass
I	1.60	+ 0.10	Pass
J	M8x1.25	-	Pass
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Comments:

De-burred		Tapped		Surface Finish	
Pass		Pass		Pass	
Drilled		Countersunk/bored		Mass	
Pass		N/A		19.265 g	
				19g	
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 1:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Kavindra	2/21/2023		
Tolerance +/-0.1	Material ALUMINIUM		Machine ID		Sheet 2/2
		Part Name 7_4_4_3 Arm Runner			Part ID